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# THE GARDEN

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SATURDAY, JANUARY 2, 1915

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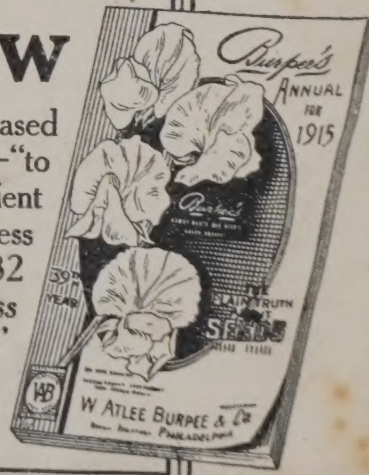
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## MISCELLANEOUS.

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It would be quite impossible to raise seedlings of the plants mentioned without a hotbed or fire-heat in the month of February. We do not know of any inexpensive book on the subject mentioned by you.

**NAMES OF FRUIT.**—S. J. W.—1, Rambour Franc; 2, Egremont Russet; 3, Leathercoat Russet; 4, King of the Pippins; 5, Cox's Orange Pippin.

## SOCIETIES.

## READING GARDENERS' ASSOCIATION.

THE final meeting of the session took place on the 14th ult. at University College, by kind permission of the authorities. Owing to the inclement weather the attendance was somewhat smaller than usual. Mr. A. E. Barnes, vice-chairman, presided. "Impressions of the Summer Excursions" was the theme for discussion, ten minutes being allowed each speaker. Messrs. D. Dore, F. Townsend, Loader, Blackwell, Castle and several others gave their impressions of Nuneham and Whiteknights, which in turn provoked much useful discussion. The nominations of officers for 1915, to be elected at the annual meeting, held in January, were taken on this occasion. In the Points Competition the following awards were made: Class 1.—Mr. F. Townsend, 10½ for vegetables; Mr. E. Blackwell, 10 for *Primula obconica*; Mr. H. Goodger, 8 for *Chrysanthemums*. Class 2.—Mr. F. Haines, 8½ for Apples.

## BIRMINGHAM AND MIDLAND COUNTIES GARDENERS' ASSOCIATION.

THE meeting at the Athletic Institute on Monday evening, December 14, marked the conclusion of the autumn session. Mr. C. H. Herbert presided over a well-attended audience. The first item of importance on the agenda was the nomination of members to stand for election for the executive committee for 1915. This being done, two auditors were then appointed for the purpose of auditing the 1914 accounts. In view of the excellence of their past services in this capacity and as a further instance of the society's esteem of the splendid manner in which their previous audits had been carried out, Messrs. Christie and Palmer were again invited to this office. Next (as has been the rule of this society for many years past) this final assembly before the close of the year was designated "Question Night," and accordingly set apart for conversing and deliberating upon questions concerning horticulture which the members themselves might raise. A good number were therefore forthcoming, the principal of which were of the following nature: What is the best date for sowing *Mignonette*? Give the names of the six best single *Chrysanthemums*? Can anyone get a Parsnip a yard long and perfect in shape from a stiff, clayey soil? In what temperature are Sweet Peas, now 3 inches high, best grown? Which is the correct way to grow *Streptocarpus*? All queries were fully dealt with, the controversial points cleared up, and satisfactory answers duly given to the various questions. Afterwards, in moving the closure of the meeting, Mr. Deedman (secretary) announced that the date for the annual meeting, presentation of the annual report and balance-sheet was fixed for January 11, 1915. The current amount now in hand for the Prince of Wales' Fund is £3 14s. 7d.

## DUMFRIES AND GALLOWAY GARDENERS' ASSOCIATION.

MR. S. ARNOTT, president, occupied the chair at a meeting of the Dumfries and Galloway Gardeners' Association, which was held in the Wesley Hall, Dumfries, on December 19. There was a satisfactory attendance. The paper for the evening was contributed by Mr. John Jeffrey, gardener to Sir Robert W. Buchanan Jardine, Bart., Castlemilk, Lockerbie. The subject was the important one of "The Cultivation of the Vine." As becomes the subject, Mr. Jeffrey discussed it in a thoroughly

practical manner, giving full details of the attention required, the processes to be followed in the treatment of the Vine from its propagation onwards until the ripening of the fruit, and the after-treatment of the Vine during its resting season. Mr. Jeffrey explained the methods he had found most satisfactory, and his views appeared generally to meet with approval in the spirited discussion and questioning which followed. He gave an able and appreciated reply to the points raised in these, and was accorded a hearty vote of thanks. Among those who participated in the discussion were Messrs. Esson, Drumlanrig; Sturrock, Larchfield Nurseries; Hunter, of Messrs. Barr and Hunter; Hutchinson, Terregles Gardens; Cameron, Balgray Gardens; Frame, Springkell Gardens; Henderson, Elmbank Gardens; and Taylor, Brocklehurst Gardens.

A notable exhibit came from Mr. James Henderson, Elmbank Gardens, this being several grand specimens of *Chrysanthemum Niveus* in various stages of bloom to show the advantages derived from late pinching back to induce late bloom. As Mr. Henderson pointed out, the examples showed that good blooms could be obtained in February.

## OBITUARY.

## W. B. LATHAM.

It was with the deepest regret that we learned, just as our last issue had gone to press, of the death of Mr. W. B. Latham, late Curator of the Botanic Gardens, Edgbaston, Birmingham, from which position he retired in October, 1903. The death occurred on Thursday, the 17th ult., at Leighton Buzzard, after a short illness. Mr. Latham was born at Bicknacre in Essex on February 13, 1835. His gardening career commenced at Wandsworth when he was thirteen years old, and seven years later he entered Kew. After a stay of about two and a-half years he left in May, 1857, to go to Chatsworth, and his next move was to the Jardin des Plantes, Paris. Returning to England after about two years' stay, he gained further experience in nurseries and private gardens, and

thus became eminently well fitted for the post at Birmingham, with which his name and work was so long identified. It was in December, 1867, that Mr. Latham was selected for the position from about two hundred candidates. During his Curatorship a large range of glass houses was built at a cost of £4,000, and the collection of indoor plants was greatly increased, also a large rock garden was made. Mr. Latham had a wide knowledge of plants generally, which he was always ready to impart to those interested in horticulture, though he made a speciality of Orchids and Ferns. In both of these groups he raised notable hybrids. He interested himself largely in all local horticultural societies, holding the office of chairman of the Birmingham *Chrysanthemum*, Fruit and Floricultural Society for a great number of years. He was also one of the pioneers of the Birmingham Gardeners' Mutual Improvement Association, and a member of the Royal Horticultural Society's Orchid committee for some years. He was awarded the Veitchian medal.

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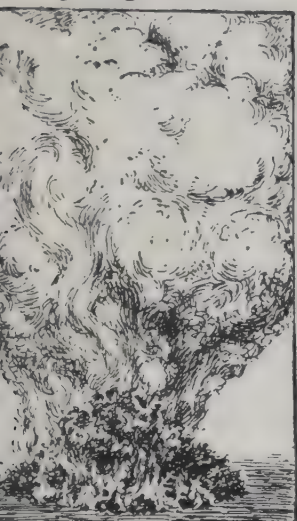
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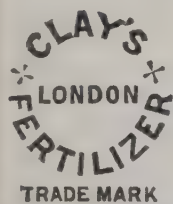
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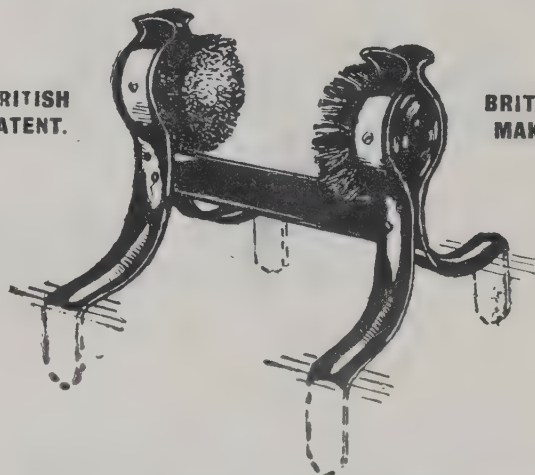
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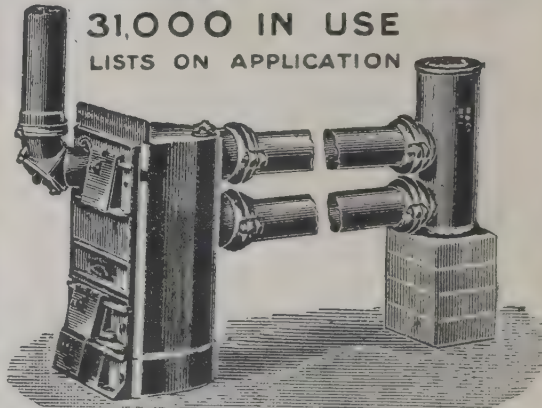
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ORCHARD AND WOODLAND

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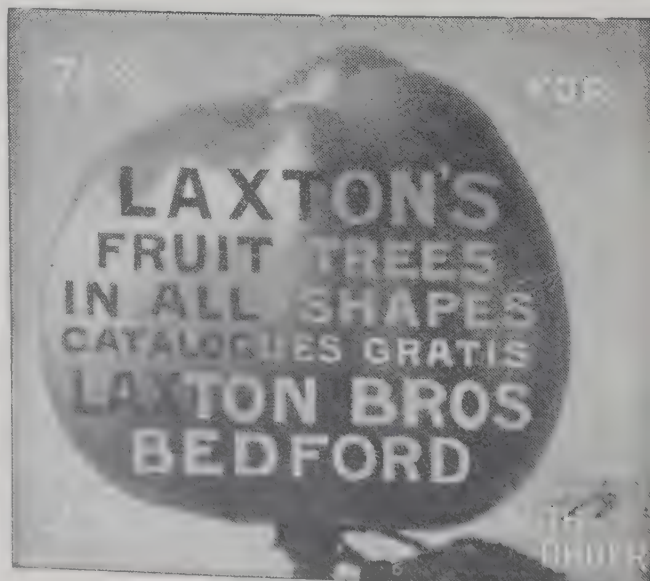


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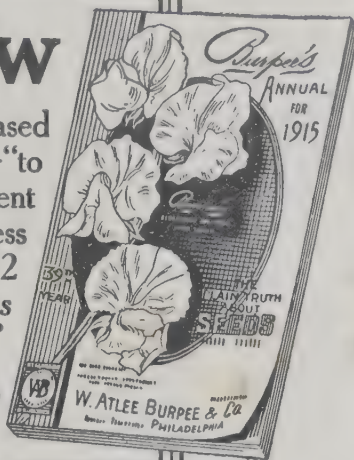
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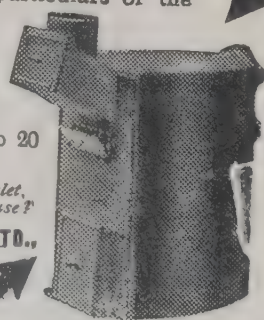
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GARDEN MAGAZINE 16, 1915  
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# THE GARDEN

A WEEKLY  
ILLUSTRATED JOURNAL FOR GARDEN  
ORCHARD AND WOODLAND

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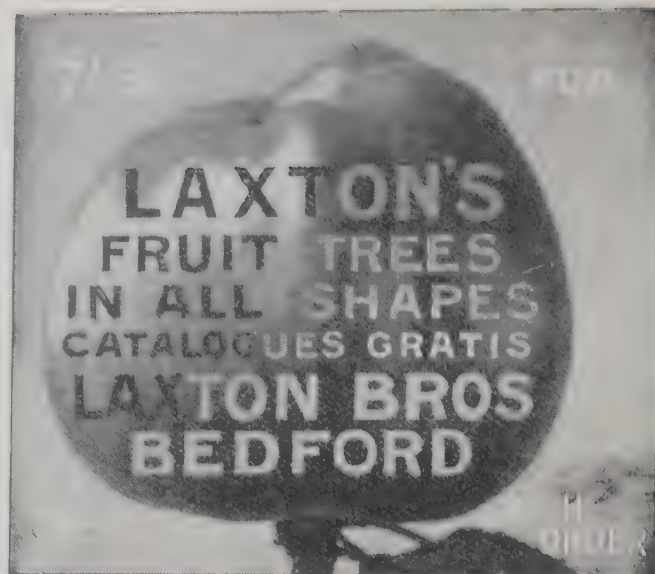
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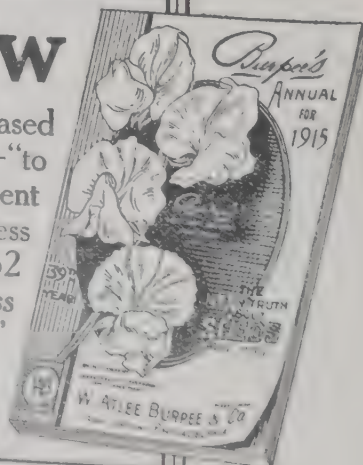
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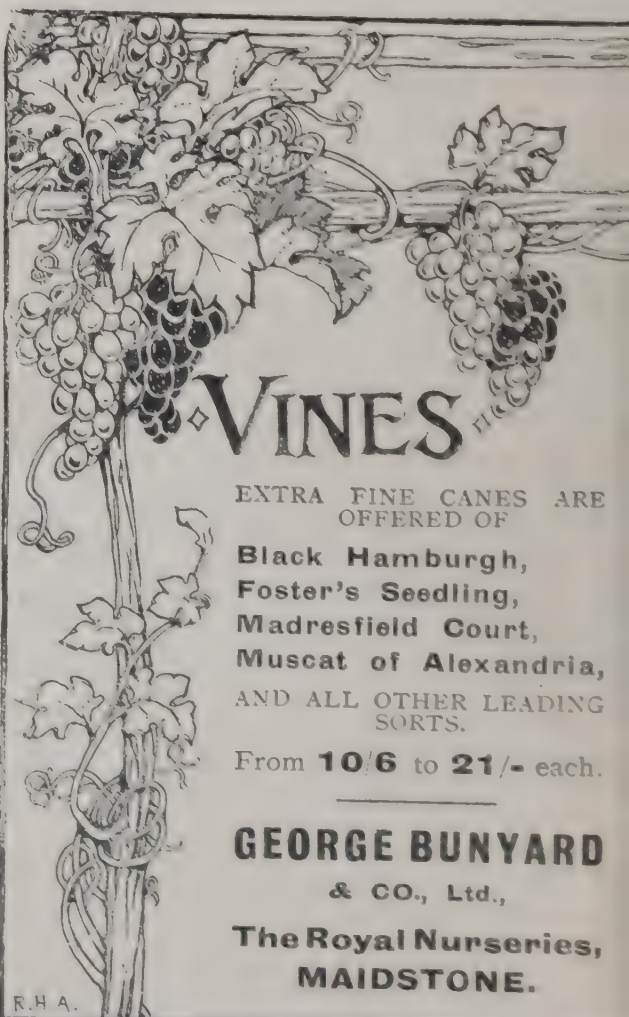
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HELEN PIEROE, marbled blue ... 2d.	MRS. COLLIER, primrose ... 2d.	ROSE DU BARRI, carmine-rose ... 2d.
JEANNIE GORDON, bicolor... 2d.	MRS. WALTER WRIGHT, rosy mauve 2d.	ZARINA, salmon-pink ... 2d.

### COLLECTION No. 2.—12 GOOD WAVED VARIETIES, 2/-

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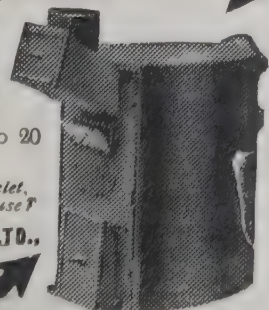
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## MISCELLANEOUS.

**NAMES OF FRUIT.**—C. A. F.—1, Blenheim Orange; 2, Annie Elizabeth. —J. W. B.—The Apple you sent is similar in some respects to Newton Wonder, but is distinct in other points, and we think your friend is correct, viz., that it is a local seedling.

## SOCIETIES.

## ROYAL HORTICULTURAL SOCIETY.

THE first meeting of the year, held on the 5th inst., was quite normal, and, though it appealed to some as "rather thin"—it was all this compared to many of the "fat" ones—there was yet enough of beauty to make a show and of interest to engage attention. In this connection berried shrubs, as *Pyracantha*, *Hippophaë rhamnoides*, *Pernettya* and others, played a not unimportant part, and they are as worthy of attention for their precious beauty and ornament in winter-time as are the Christmas Roses, Winter and Portuguese Heaths and others which favour us with their blossoms at that time. In other words, each and all play a part in their season, and the fuller the measure of appreciation of their merits, the fuller will be the reward of their beauty. Flowering plants were well represented by choice Carnations and Orchids, the latter being well to the fore. Fruit was all but non-existent, a fine basket of Apple Crawley Beauty being the only representative. The floral committee granted an award of merit to one novelty, the Orchid committee to four, and one first-class certificate.

## ORCHID COMMITTEE.

Present: J. G. Fowler, Esq. (chairman), Sir Jeremiah Colman, Sir Harry J. Veitch, and Messrs. J. O'Brien, de B. Crawshaw, Gurney Wilson, W. Bolton, W. H. White, J. E. Shill, A. Dye, W. P. Bound, W. H. Hatcher, J. Cypher, W. Cobb, F. J. Hanbury, G. F. Moore, F. M. Ogilvie, A. McBean, T. Armstrong, R. G. Thwaites, C. H. Curtis, Stuart H. Low and R. A. Rolfe.

Messrs. Armstrong and Brown, Tunbridge Wells, had an excellent display, for which a silver Flora medal was awarded. The somewhat extensive group was flanked at right and left by some thirty well-flowered examples of *Cattleya alba* Maggie Raphael (white sepals and petals, and pronounced rosy purple tipped lip). The majority of the plants carried a three-flowered scape; an occasional one four, which is rare. Another notable—probably unique—plant in the group was *Oncidium corynepherum*. The example carried a sixteen-flowered raceme of white, violet-shaded petals and sepals, and violet, yellow-crested lip. This was the original plant which in 1905 received a first-class certificate. *Cypripedium aureum virginalis*, *Miltonia bleuana* and *Odontoglossum thomsonianum magnificum* (pale violet, with heavy maroon blotch) were some others in the group.

Messrs. Charlesworth and Co., Hayward's Heath, obtained a silver Flora medal for an interesting lot, which included *Brasso-Cattleya* Queen Alexandra, *Odontoglossum Dora* (very dark, fine reticulated variety), *Odontioda Diana* (richly coloured), *Angræcum sesquipedale*, a very fine fruit, *A. recurvum* (with a remarkable grouping of white flowers near the base), *Saccolabium guttatum*, with many others in variety.

Messrs. J. and A. McBean, Cooksbridge, Sussex, had the old *Zygopetalum Mackayii*, *Odontioda Diana*, *O. Euterpe* (both of rich crimson or allied shade), together with a variety of *Cymbidiums* and *Cypripediums*. Silver Banksian medal.

Messrs. J. Cypher and Sons, Cheltenham, received a silver Banksian medal for a choice lot of *Cypripediums*, of which *Actæus* Miss Camm, *Euryades splendens* (rich rose), *E. Model*, *Sanderæ*, Mrs. F. Goodman, *Queen Alexandra* (rose, with chestnut brown pouch), *Actæus A. J. Balfour* and *arthurianum* *Sanderæ* were a few. There were excellent varieties of *leeanum*, with others of the fairieanum type, all well displayed in a group characterised by high cultural excellence.

In the group from Messrs. Sander and Sons, St. Albans, we noted *Lælia goldieana* (rich rosy purple flowers, on tall, frail stems, in quantity), *Odontoglossum Ypres* (very dark blotched form), *O. waltonense* variety (yellow and chestnut), *Lælio-Cattleya Phryna* (sepals white, lip crimson), *L.-C. Goldfinch* (orange and crimson), *Cypripedium Arras* (a fine *leeanum* form) and *Lælia anceps sanderiana* (white, with red lip) among many kinds. Silver Banksian medal.

## FLORAL COMMITTEE.

Present: H. B. May, Esq. (chairman), and Messrs. J. Hudson, C. T. Druery, G. Reuthe, J. W. Moorman, C. R. Fielder, W. P. Thomson, G. Paul, W. G. Baker, A. Turner, C. Dixon, J. Dickson, W. Bain, Charles E. Shea, C. E. Pearson, J. T. Bennett-Poß, J. Green, R. Hooper Pearson, W. J. Bean, E. A. Bowles, F. W. Harvey, W. Howe, J. F. McLeod, E. H. Jenkins and W. Cuthbertson.

Mr. L. R. Russell, Richmond, displayed a table of berried and other shrubs in variety, embracing *Aucuba vera*, *Skimmia japonica*, *Pernettya* in variety, *Ivies* and the like. *Garrya elliptica*, *Daphne Mezereum*, *Olearia nummulariaefolia*, *Hamamelis mollis*, *H. arborea* and *Pyracantha* (*Cratægus*) *angustifolia* (full of its orange-coloured fruits) were also noted among others.

Messrs. Allwood Brothers, Hayward's Heath, showed some excellent Carnations, the amply filled vases aglow

with such as *Mary Allwood*, *Salmon Enchantress*, *Wivelsfield White*, *Fairmount* (of the heliotrope class), *Yellowstone*, *Bishton Wonder* (a heliotrope fancy of remarkable colouring), *Champion Scarlet*, *Cinderella* (fancy), *Mandarin* (yellow-ground fancy) and *Mrs. C. W. Ward* (cerise). These were among the best in a fine lot.

Messrs. Wells and Co., Merstham, had a capital vase of *Carnation Aviator*, a good scarlet variety of a useful size.

Messrs. Barr and Sons, Covent Garden, showed a quantity of *Galanthus Elwesii*, *Narcissus Bulbocodium monophyllum* and *Iris histrioides major*. A pretty and interesting group.

Messrs. Stuart Low and Co., Enfield, had an excellent group of Carnations, displaying great vases of gorgeous *Ceres*, *Mrs. Mackay Edgar* (pink), *Enchantress Supreme*, *Mary Allwood*, *Champion* (rich scarlet), *Mrs. C. F. Raphael* and *Snowstorm*, all in excellent condition. *Daphne indica rubra*, *Crocea latifolia* and *Acacia latifolia* were all well displayed by this firm.

Mr. Clarence Elliott, Stevenage, had an exhibit of select alpine, chiefly of the rarer *Saxifrages*, together with flowers of *Gentiana acaulis* and a collection of shrubs suited to the rock garden.

The Misses Hopkins, Shepperton-on-Thames, showed alpine plants in boxes.

Messrs. H. B. May and Sons, Edmonton, were responsible for a fine table of winter-flowering plants and Ferns, the former represented by a fine grouping of *Begonia Gloire de Lorraine*, *Primula obconica* and a batch of *Cyclamen persicum* in variety that would have done credit to a mid-February exhibit. The plants were particularly well grown, abundantly flowered and of a high-class strain. In addition, the three colour shades of *Euphorbia* (*Poinsettia*) *pulcherrima*—brilliant scarlet, white and rose—were on view, making a resplendent display. The brilliance of the typical kind, indeed, we do not remember to have seen excelled. Among choice Ferns in the group, *Davallia tenuifolia* Veitchii and *Adiantum farleyense gloriosum* were remarkable.

Messrs. H. Cannell and Sons, Eynsford, had a highly attractive display of winter-flowering Zonal Pelargoniums, a group of plants better cultivated and exhibited in winter-time by this firm than any other during the last quarter of a century. In these circumstances it is pleasant to see that in the reorganisation of the firm this old-time reputation is more than sustained, and certainly at no period of the year do these brilliant flowers appeal so forcibly as during the gloomy days of winter. The collection shown was a large one, though such as *Maxime Kovalevsky* (orange scarlet), *Mrs. Lindsay Stares* (pink), *Hibernia* (red), *Sir T. Hanbury* (crimson), *Rose Queen*, *Helen Countess of Radnor* (rosy cerise), *Crimson Paul Crampel*, *Mrs. A. J. Bell* (shrimp pink) and *The Speaker* (double orange salmon) were among the best. Interspersed amid the flower-trusses were well-flowered examples of *Primula malacoides*, which had a pretty effect.

Mr. G. Reuthe, Keston, Kent, had, as usual, an interesting lot of hardy things, which included not only alpine plants, but several of the more beautiful and interesting of flowering shrubs. Of these, basketfuls of the winter-flowering Heaths were very charming, notably *Erica mediterranea hybrida* and *E. carnea alba*. In addition were *Berberis Bealii* (yellow-flowered, with handsome, shining leaves), *Colletia cruciata* (with snowy, fragrant bells), *Erica melanthera* (cold grown, and with quite rosy-tinted flowers), *Rubus australis*, *Lupinus argenteus*, *Hamamelis* and the like. A basket group of Christmas Roses, with *Iris Histrio* and hardy *Cyclamen*, was also shown.

Messrs. J. Cheal and Sons, Crawley, contributed an exhibit of alpine, together with fruiting and flowering shrubs. Of these latter, *Erica codonodes* was perhaps the most charming, the wealth of its cylindrically formed white, ruddy-tinted flowers and buds at this season defying description. The Winter Heath (*E. carnea*) and *E. mediterranea hybrida* were also very beautiful. More effective still were fine groupings of the Sea Buckthorn (*Hippophaë rhamnoides*), whose much-forked branches were loaded with the brilliant orange scarlet fruits. Other fruiting shrubs included the *Pernettyas* and *Pyracantha* (*Cotoneaster*) *angustifolia*, both very ornamental at this season. Early bulbous Irises and a basket of Apple Crawley Beauty were also noted.

## THE EDITOR'S TABLE.

**Nerines from Guernsey.**—Messrs. C. Smith and Son, Caledonia Nursery, Guernsey, send us a beautiful contribution of *Nerine Mansellii*. Although these were posted in Guernsey on December 23, they did not reach us until the 29th. They were packed in tissue paper in an ordinary flat wooden box, and were quite fresh and good on arrival. At the time of writing (January 11), the buds have opened and the flower-heads are still beautiful and interesting, their bright pink colour being particularly cheerful during the dull winter days. In a subsequent letter Messrs. Smith point out that *Nerines* are among the best lasting flowers that they know, and our experience bears out this statement. There is no doubt that *Nerines* are appreciated by all who see them, and signs are not wanting that their cultivation is becoming more general than it was a few years ago.

## OBITUARY.

## ROBERT RENTON.

MR. ROBERT RENTON of Greenlaw, whose death is announced, was well known in and beyond Berwickshire for his botanical and other scientific work. When comparatively advanced in life Mr. Renton took up the study of bryology, and gathered together what was practically a complete collection of British Mosses, together with those of other countries. These were properly classified and named, although Mr. Renton had to acquire Latin to enable him to follow up the work. He also collected moths, and an exhibit from him at the International Forestry Exhibition in Edinburgh in 1884 received a diploma. Mr. Renton had also valuable collections of coins, shells, minerals, &c. He was seventy-five years of age.

## Royal Caledonian Horticultural Society.

The circular intimating the annual general meeting of the members of the Royal Caledonian Horticultural Society on January 13 has annexed a statement of the accounts of the society to November 30 last. The accounts show a satisfactory condition of matters, although the abandonment of the autumn show renders any comparison with previous years of little value. They reveal, however, the usual excellent administration of the society, which has had such a long and valuable career. The income for the year ending November 30, 1914, was £17 8s. 9d. in excess of the expenditure, and a reconciliation of the balances of the income and capital accounts gives a gain on the year's working of £14 11s. 9d. The accounts have been duly audited by an accountant.

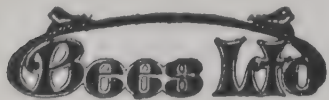
\* \* \* The Yearly Subscription to THE GARDEN is: Inland, 6s. 6d.; Foreign, 8s. 9d.

## The National Food Supply

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On the other hand, when—as is generally the case—the goods exceed expectations, there is a something in the British make up which insists on sending a letter to Bees to say what pleasure and satisfaction the order has given. We could quote page after page of expressions of satisfaction such as the following, but let these suffice. It is far more important for you to make a personal test.

### Rose Praise.

H. G. W., Esq., Batley, Yorks, writes:—

"It gives me great pleasure to write and tell you of the satisfaction resulting from purchase of Rose-trees from you. I have already had two lots of bloom, and am about to get a third, which speaks for the quality of your trees. I am for ever praising your Rose-trees, and my friends are all delighted. All say they will send to you this time, so when your Catalogue is ready send on all speed, and I will do the needful."

### Seed Praise.

Mr. J. A. Jones, Gr. to M. G. B., Esq., St. Annes-on-Sea, writes:—

"—every one germinated and bloomed profusely. A 1d. packet of your Calceolaria grown side by side with seeds at 2s. 6d. and 3s. 6d. pkt. were glorious and able to hold their own amongst the high-priced seeds."

J. H., Esq., Handsworth, writes:—

"—the Peas, well I never grew better; extra good; took all prizes wherever shown. French Beans 10 to 14 ins. long, the talk of the place. All the seeds excellent."

### Apply the Personal Test

There is no risk. Cash returned if goods not satisfactory."

### Cottagers' Rose Collection, No. 1.

6/6. 9 Bushes, 3 Climbers. 6/6.

Carriage paid when cash is sent with order.

Baroness Rothschild, H.P., rose-pink, large ... 6d  
Countess of Derby, H.T., salmon-rose, fragrant ... 8d  
Dean Hole, H.T., silvery carmine-salmon, fragrant ... 8d  
Dorothy P. Roberts, H.T., coppery pink, suffused apricot ... 8d  
Earl of Gosford, H.T., dark crimson, fragrant ... 1/-  
Edu Meyer, H.T., red and yel. shaded copper ... 8d  
Grace Darling, H.T., cream, flushed pink ... 6d  
Killarney, H.T., fine pink, free, fragrant ... 8d  
King George V., rich crimson, splendid; awarded Gold Medal at the Festival of Empire, Crystal Palace, London, June, 1911 ... 1/-

### CLIMBERS.

Crimson Rambler, gorgeously brilliant ... 6d  
Blush Rambler, apple blossom pink ... 9d  
Flame, glowing salmon rose ... 1/-

Any item can be had separately.

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12 Up-to-Date Varieties. 10 seeds of each.

	1d.	3d.
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7251 Dobbies' Cream, primrose ...	5	25
7261 Sunproof Crimson ...	5	25
7266 Prince George, lilac rose ...	3	15
7272 Mrs. Heslington, lavender ...	5	25
7284 King Manoel, maroon ...	3	15
7302 Thos. Stevenson, orange ...	5	25
7311 Elfrida Pearson, pale pink ...	5	25
7312 Hercules, deep pink ...	5	25
7318 Barbara, salmon ...	4	20
7337 America Spencer, red and white ...	5	25
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Any item singly in 1d. or 3d. packets.

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7375. Bees' Fairy or Spencer Mixture.

9d. oz., 100 seeds, 3d., 20 seeds, 1d.

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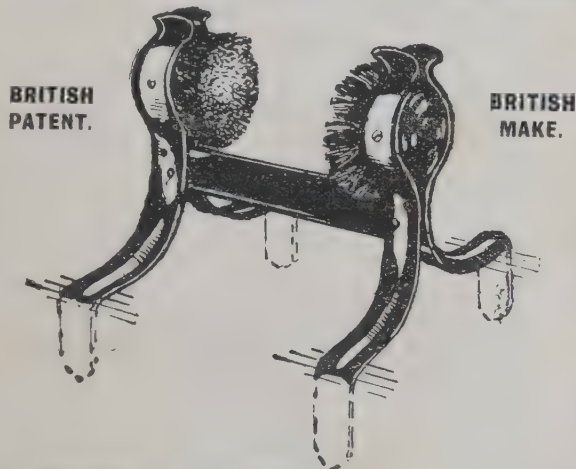
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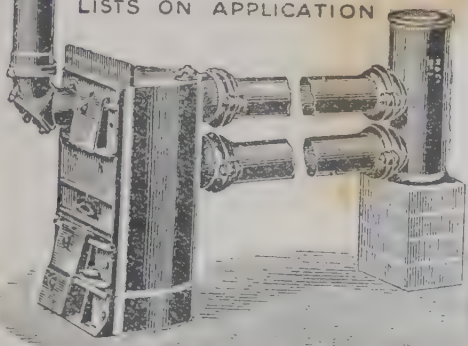
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Dorothy Perkins Hiawatha  
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Therefore be Patriotic AND Wise.

any Bees' British Roses grown in North Wales, the trees unsurpassed and unsurpassable vigour and health. Bees' Roses are famously fibrous rooted.

### Cottagers' Rose Collection, No. 1.

6/6. 9 Bushes, 3 Climbers. 6/6.

Carriage paid when cash is sent with order.

Countess of Derby, H.T., salmon-rose, fragrant	8d
Countess of Derby, H.T., silvery carmine-salmon, fragrant	8d
Countess of Derby, H.T., coppery pink, suffused	8d
Countess of Derby, H.T., dark crimson, fragrant	1/-
Countess of Derby, H.T., red and yellow, shaded copper	8d
Countess of Derby, H.T., cream, flushed pink	6d
Countess of Derby, H.T., fine pink, free, fragrant	8d
Countess of Derby, H.T., rich crimson, splendid; awarded Gold Medal at the Festival of Empire, Crystal Palace, London, June, 1911	1/-

### CLIMBERS.

Rose Rambler, gorgeously brilliant	6d
Rose Rambler, apple blossom pink	9d
Rose Rambler, glowing salmon rose	1/-

### Amateurs' Rose Collection, No. 2.

The new Flame-coloured Daily Mail Rose Mme. Ed. Herriot and 11 others, 7/6.

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Countess of Derby, H.T., coppery pink, suffused	8d
Countess of Derby, H.T., dark crimson, fragrant	1/-
Countess of Derby, H.T., gorgeous scarlet-red	8d
Countess of Derby, H.T., red and yellow, shaded copper	8d
Countess of Derby, H.T., cream, flushed pink	6d
Countess of Derby, H.T., crimson, fragrant	6d
Countess of Derby, H.T., fine pink, free, fragrant	8d
Countess of Derby, H.T., rich crimson, splendid; awarded Gold Medal at the Festival of Empire, Crystal Palace, London, June, 1911	1/-

### New Year Rambler Rose Coll., No. 3.

9 Carriage Paid. Cash with Order. 3/9

Rose Rambler, apple-blossom pink	9d
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Rose Rambler, gorgeous crimson	6d
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Rose Rambler, shell pink	9d
Rose Rambler, brilliant carmine, splendid	9d
Rose Rambler, climbing single Hybrid Tea	9d

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Carriage Paid. Cash with Order. 5/-

Splendid sturdy bushes, including 8 New Hybrid Sweet Briar in various colours, named, 1 Copper	6d. each
Briar, 1 Persian Yellow Briar, and 2 Pink Moss	
Roses, all exceedingly beautiful, any one	
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Any item from any Collection can be had separately at the price quoted.

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Fruit, Clematis, Flowering Shrubs, etc., are also described and illustrated.

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# Paradise Sweet Peas.

**MISS HEMUS**, of Holdfast, Upton-on-Severn, begs to advise her friends and customers that she is not sending out a Sweet Pea Catalogue this year, nor supplying the public with these seeds, as she has sold all her stocks to Messrs. **RYDER and SON, LTD.**, Seed Specialists, Holywell Hill, St. Albans, and made arrangements with them to send out all her specialities in the future. She thanks her many customers and friends for the cordial support they have given her in the past and would be grateful if they would extend the same to Messrs. **Ryder**, and also make the new arrangement known.

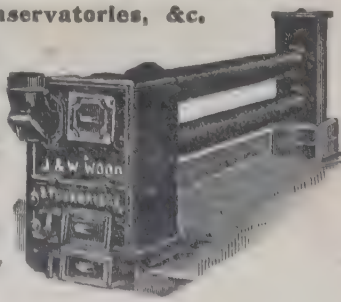
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### GLASGOW AND WEST OF SCOTLAND HORTICULTURAL SOCIETY.

THE first of the course of meetings in connection with the above society for the year 1915 was held in the Religious Institution Rooms, Buchanan Street, Glasgow, on the evening of January 13. The lecture of the evening was by Mr. R. G. Hepburn, gardener to the Marquis of Ailsa at Culzean Castle, and the subject was "Trees and Shrubs in an Ayrshire Garden." The garden is that at Culzean, where there is quite a wealth of rare trees and shrubs, the congenial climate of the seacoast of Ayrshire being exceedingly favourable to many trees and shrubs considered tender in many parts of the country. Mr. Hepburn, who has a very extensive knowledge of his subject, described a large number of the uncommon shrubs, and exhibited specimens of some of these. It is impossible within the limits of a brief report to do justice to the admirable lecture by Mr. Hepburn, delivered with his customary ability. Among the shrubs mentioned were the Pittosporums, the Bamboos, of which there is a specially fine collection at Culzean; the Buddleias, Azaras, Olearias, Abutilon vitifolium, the hardy Palms, Cordylines, Citrus trifolia (Ægle sepiaria), Ceanothuses, Escallonias, Eugenias, Phormiums, and many choice and rare subjects. Mr. Hepburn impressed upon those present the desirability of attempting to grow many of these shrubs, and the discussion which followed showed that others were alive to the importance of trying many of these plants. Mr. Hepburn was heartily thanked for his paper.

On February 10 Mr. C. Shaw, Boquhan Gardens, Kippen, will lecture on "Exhibition Vegetables." A visit will be paid to Houston House Gardens on June 19. On October 6 Mr. John Highgate, Hopetoun Gardens, South Queensferry, will speak on "The Use of Perennial Plants in the Embellishment of Present-day Gardens," and on December 1 Mr. S. Arnot, Sunnymead, Dumfries, will lecture on "Alpine Plants." Certificates and awards of merit will be given for exhibits at these meetings.

### ROYAL CALEDONIAN HORTICULTURAL SOCIETY.

THE annual meeting of this society was held in Dowell's Rooms, Edinburgh, on January 13. Mr. David W. Thomson, nurseryman, vice-president, occupied the chair. A generally satisfactory report was submitted by Mr. D. Mackenzie, the secretary and treasurer. It referred, among other matters, to the continued improvement of the takings at the spring shows, to the cancellation of the autumn show on account of the war, and to the small decrease in subscriptions caused by the abandonment of this show. The statement of the funds, an abstract of which we have already published, showed a gain of £14 11s. 9d. on the year's working. The adoption of the report was moved by the chairman, seconded by Mr. John Phillips, nurseryman, and was agreed to. The chairman stated that the Council were of the opinion that the spring show should be held as usual, and the meeting afterwards unanimously resolved that both the spring and the autumn shows should be held this year. A question regarding the proposed transference of the Edinburgh and East of Scotland College of Agriculture to Dreghorn, asked by Mr. J. W. Scarlett, elicited a reply from Mr. W. H. Massie of Messrs. Dicksons and Co., the Council's representative on the College Board, in the course of which he stated that the governors, by a majority, did not accept the scheme of the Board of Agriculture for the removal of the college, but that he was in favour of it, holding that a delightful garden could be made at Dreghorn, and that the value of the college to horticulture would be much increased. In accordance with the suggestions of the Council, Lord Elphinstone was re-elected president; Mr. J. W. McHattie, City Gardener, was appointed vice-president; and Mr. F. M. Urquhart, Dundas Castle Gardens; Mr. Eric P. Laird, nurseryman, Edinburgh; and Mr. William Hunter, Yester Gardens, were elected members of the Council in room of those who retire in the usual manner.

### OBITUARY.

#### CHARLES LONGLEY.

WITH the decease of Mr. Longley, Rainham, on the 1st inst., there has passed away at eighty-five one of the best known of the old Kentish nurserymen. The firm of C. and E. Longley was founded by the deceased's father nearly a century ago, and two sons are now carrying on the business. Roses have always been a feature of this nursery, but coniferæ, Magnolias and fruit trees were specialised in till the recent demand for Roses made them the chief culture. There is now a Wistaria covering a fence over a hundred feet long, which was one of the first introduced from China, and a Sequoia was also one of the first in England. From this Wistaria a plant was supplied to every station on the London, Chatham and Dover Railway when it was opened, and of these some still survive.

**United Horticultural Benefit and Provident Society.**—The monthly meeting of this society

was held at the Royal Horticultural Society's Hall on Monday, January 11, Mr. Arthur Bedford in the chair. Five new members were elected. The sick pay on the ordinary side amounted to £71 6s. 4d., and on the State Section £57 12s. 10d., with maternity claims £4 10s. The quarterly payments to chronic sick amounted to £19 18s. The financial statement being read, the trustees were instructed to invest a further sum on behalf of the society.

### TRADE NOTES.

#### SOME INTERESTING SEED CATALOGUES.

UNDER the above title Messrs. Sutton and Sons, the well-known seed firm of Reading, have just issued their catalogue of vegetable and flower seeds for the present year. In the past this publication has been of a very interesting and beautiful character, but we have no hesitation in saying that this year Messrs. Sutton have surpassed all their previous efforts. Printed on art paper, the wonderful array of illustrations are presented in a most attractive manner, and as the whole is bound in stout board covers of an artistic character, there is no doubt that this publication will find a place on every garden bookshelf. It is impossible, in the space at our disposal, to deal in detail with the contents, but our readers may rest assured that everything that is worth growing and can be easily grown from seeds will be found described therein. In addition to standard varieties of vegetables and flowers, a number of beautiful novelties are also included. We understand that a copy has been posted to each of the firm's customers, and that the published price is 1s.

ROBERT SYDENHAM, LIMITED, Tenby Street, Birmingham, as usual, publish a most interesting and handy catalogue that can be conveniently carried in the coat pocket. Those who are interested in Sweet Peas will find an excellent and faithful reproduction of the variety Robert Sydenham in the coloured plate that is presented with the catalogue, while all other good varieties are listed at prices that should suit the pockets of everyone. Other kinds of flowers, as well as a splendid selection of vegetables, will be found described in this handy catalogue, copies of which can be obtained post free.

THE 1915 seed catalogue issued by Messrs. J. R. Pearson and Sons of Lowdham, Notts, a firm that has been established since 1782, is, as usual, thoroughly well illustrated and printed, and in its pages will be found descriptions of every kind and variety of vegetable or flower worth growing from seed. The selections of what the firm considers the best varieties of each kind will prove particularly useful to those with comparatively small gardens, or to the amateur who has not much experience in matters horticultural. Thus, for Peas we find the following given as the best: Early—Gradus. Little Marvel and Reading Wonder; midseason—Alderman, Johnson's Magnificent and Sharpe's Triumph; late—Autocrat, Prizewinner and Captain Cuttle. Every amateur and professional gardener should obtain a free copy of this list without delay.

FROM 11, 12 and 13, King Street, Covent Garden, comes Messrs. Barr and Sons' seed list in covers of blue and gold. As usual, it is packed from the first page to the last with interesting and instructive information about vegetable and flower seeds and other things associated with the garden. What the firm is doing to meet the financial conditions created by the war is best told in their own words: "We have, by effecting all the economies possible in our business, been able to considerably reduce our prices of both vegetable and flower seeds, while at the same time maintaining our usual high quality." This concession will, we are sure, meet with the success that it deserves. As the contents of their catalogue are arranged alphabetically, reference to any particular subject is easy, and we cannot do better than advise readers who are interested to obtain a free copy and see for themselves how interesting it is.

THE guide issued by Messrs. Toogood and Sons, the King's Seedsmen of Southampton, is a handsome book of 164 pages of accurate pictures and garden wisdom, and it will be posted freely to every applicant interested in gardening. There are still some people who fear that the Toogood quality cannot be the highest because the firm's prices are so moderate, and to such the plain guarantee printed on every packet of Messrs. Toogood's garden seeds offers the best possible assurance of good faith. It is just a hundred years since the firm started in business as seed-growers, and in that hundred years the Toogood business has included three generations of the Toogood family, all devoting every energy and resource to supplying at the lowest possible prices absolutely the best seeds that can be grown.

**To Secretaries, Horticultural Societies.** Schedule covers, printed three colours on thick art paper, can be had gratis, with necessary printing done free. Closing date for orders, February 10th. For particulars apply



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### PUBLICATIONS RECEIVED.

"A Manual of Weeds," by A. de E. Georgla; price 8s. 6d. net. Macmillan and Co., Limited, London and New York.  
"Register of Nurseries, Market Gardens, Farms, Florists and Seed Businesses to be Let or Sold, and of Partnerships." Messrs. Protheroe and Morris, auctioneers, valuers, surveyors and estate agents, 67 and 68, Cheap-side, London, E.C.

### CATALOGUES RECEIVED.

Messrs. Stewart and Co., 13, South St. Andrew Street, Edinburgh: Seeds.  
Mr. George Clarke, Carnation specialist, The Nurseries, March, Cambs: Carnations.  
The Agricultural and Horticultural Association, Limited, 92, Long Acre, London, W.C.: Garden Seeds and Fertilisers.  
Messrs. John Jefferies and Son, Limited, Royal Nurseries, Cirencester: Seeds.  
Messrs. Robert Veitch and Son, 54, High Street, Exeter: Flower and Vegetable Seeds, Implements, Garden Sundries, &c.  
Messrs. Little and Ballantyne, seedsmen, Carlisle: Garden Seeds, &c.  
Messrs. Toogood and Sons, Southampton: Seeds.  
Messrs. Austin and McAslan, Glasgow: Seeds.  
Messrs. Daniels Brothers, Limited, Norwich: Illustrated Guide for Amateur Gardeners.  
Messrs. Kent and Brydon, Darlington: Vegetable and Flower Seeds.  
Messrs. W. Drummond and Sons, Limited, 57 and 58 Dawson Street, Dublin: Garden Seeds.  
Messrs. Sutton and Sons, Royal Seed Establishment, Reading: General Garden Seeds.  
Messrs. E. Webb and Sons (Stourbridge), Limited, Wordsley, Stourbridge: Seeds.  
Messrs. Bees, Limited, Liverpool: Seeds.  
Messrs. Thompson and Morgan, Ipswich: Herbaceous, Alpine and Other Plants.  
Messrs. Cooper, Taber and Co., Limited, 90 and 92, Southwark Street, London, S.E.: Seeds.  
Messrs. W. Atlee Burpee and Co., Burpee Buildings, Philadelphia: Seeds.  
Mr. John P. Bailey, Sarnian Nurseries, Guernsey: Tomato Plants, &c.  
Mr. Alfred Dawkins, 408, King's Road, Chelsea: Seeds.  
Mr. David W. Thomson, 113, George Street, Edinburgh: Seeds.

\* \* The Yearly Subscription to THE GARDEN is: Inland, 6s. 6d.; Foreign, 8s. 9d.

## During 1915 "Mind your own Business."

What is your business? Why the Nation's business is your business. You are a partner and you must do your share.

Without entering into any discussion of the rights or wrongs, we may surely say that there is to be no un-stiffening of the neck, we have got to keep a straight lip, and—we've got to keep things right at home.

You have got a garden, part of your share of the business is to make that garden yield every ounce of produce that can be squeezed out of it. Not because you are going to make a big profit, though you will certainly save money by growing more of your own vegetables and flowers, but because by so doing you will make it easier for those less happily placed. You will do this even though you consume every morsel and give away nothing to the poor who have no gardens, though that is a commendable idea.

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Don't worry about the Greengrocer, he will benefit too. With vegetables at a usable price he would empty his cart in the first street or two, and make money, instead of losing through unsold stock.

But quite apart from all this, no one but a bilious dyspeptic would look twice at shop or market vegetables when home-grown were available.

Be Patriotic enough to grow your own vegetables this year. If you buy your seeds from Bees you will have no difficulty about treatment, everything is explained on the packets in a unique, clear way. As to the seeds, they are equal to anything in the land, and they are guaranteed British, Colonial, French or American.

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A WEEKLY  
ILLUSTRATED JOURNAL FOR GARDEN  
ORCHARD AND WOODLAND

LXXIX.—No. 2254.

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SATURDAY, JANUARY 30, 1915

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**ADVISE PLANTING NOW.**—Rock Hardy Perennials, Choice Shrubs, Rhododendrons, etc. Descriptive catalogues free.—JOHN WATERER, FRUIT CRISP, LIMITED, Liverpool Street Arcade, London, E.C. Nurseries Bagshot, Surrey, and Twyford, Berks.

**DICKSON'S HORTICULTURAL MANURE**—The high-class Fertilizers, also Dicksons Improved Bone Spawn.—Price Circulars free on application to Dicksons, Royal Seed Warehouses and Nurseries, Chester.

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**MAINE.**—Stone Chips and Special Mixtures. Price List.—CLARENCE ELLIOTT, Herts.

**ROOMS FOR THE GARDEN.**—Fruit Rooms, Sheds, Workshops, Cycle Houses, Boot Rooms, Mess Rooms, Children's Play Rooms, etc. Send for our Catalogue, free.—BOULTON & PAUL, LTD., Norwich.

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**LILIES FOR PRESENT PLANTING.**—Descriptive list with useful cultural notes on application.—BARR & SONS, King Street, Covent Garden, London.

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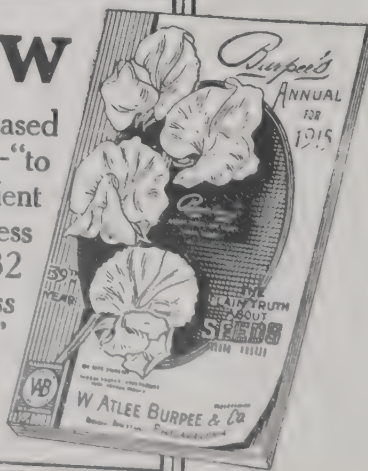
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12 Varieties. The same as Villa "C" exactly, only 25 seeds of each variety. Price 1/6, Post Free for Cash.

We also send a specially-written Booklet on the Culture of Sweet Peas FREE with each Collection.

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ASTA OHN, a good lavender self ... 3d.	FLORA NORTON SPENCER, pale blue ... 3d.	MRS. ROUTZAHN, apricot-pink on a cream ground... 3d.
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COUNTESS SPENCER, pale pink, slightly darker edge ... 2d.	JOHN INGMAN, rich rosy carmine... 3d.	NORA UNWIN, a really good white self 3d.
ELFRIDA PEARSON, pale pink, tinged salmon ... 3d.	MRS. A. IRELAND, rosy pink and blush bicolor ... 3d.	NUBIAN, one of the best dark maroon selfs ... 3d.

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**COLLECTIONS Nos. 2 and 3 MAY BE HAD TOGETHER FOR 4/-,**  
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HELEN CHETWYND STAPYLTON [15] (NEW), large, pale pink on cream ... 6d.	ROBERT SYDENHAM [10] (NEW), large glowing orange-salmon self, strong grower, four flowers on a stem, and sunproof ... 1/-
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CHOICE MIXED SEEDS of most of the above and other varieties.  
2d. per packet of about 100 seeds; 6d. per ounce of about 350 seeds; 1/6 per 1/4 lb.; or 5/- per lb.  
A pound of seed is generally well over 5,000 seeds.  
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VARIETIES :—

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**BEST, STRONGEST, AND MOST FIBROUS-ROOTED TREES MONEY CAN BUY.**



**MALMAISON CARNATION, Princess of Wales.**

**THE SUPERB NEW MALMAISON OR TREE CARNATION PRINCESS OF WALES.**—Immense blossoms of faultless beauty. Colour, a rich brilliant pink, and perfumes the whole atmosphere with its delicious fragrance. All should grow a few of this Queen of Malmaisons. Pot now. 1/3 each; 2 for 2/3; 4 for 4/-; 6 for 5/-.

**FRAGRANT HARDY CYCLAMEN.**—Everybody knows the greenhouse Cyclamen (*Cyclamen persicum*), but very few people have any idea of the exquisite beauty and ordiness of the lovely outdoor Cyclamen, or they would be in every garden, for once planted they are a continual joy year after year for a lifetime. The roots often grow to enormous size, and throw up from 200 to 300 flowers each, and they continue in flower for six months, sometimes more, and a further charm is that **THEY ARE DELICIOUSLY FRAGRANT.** The magnificent foliage, variegated with different shades of green, helps to show off the flowers to a remarkable degree. The veining and marbling of the foliage show a network of Nature that cannot be described on paper. Plant them on the border, on the rockery, odd nooks of the lawn, or in the grass round the roots of large trees, they are delightful. The roots require no lifting or further attention after once planting; they are perfectly hardy, and will take care of themselves.

THE GARDEN, writing of these, says: "Although the hardy Cyclamen add such a charm to our gardens, they do not appear to be known or grown to the extent their beauty justify." GARDEN WORK says: "Unfortunately, the average amateur scarcely knows that such beautiful, sweet-scented, and accommodating hardy subjects are to be obtained."

**BARGAIN PRICES.**—LARGER (3-year-old) BULBS—6 for 2/-; 12 for 3/6. A few extra Giant Bulbs, 5 to 6 years old, 3 for 1/9; 6 for 3/-; 12 for 5/6; 24 for 10/-; post free.

Catalogue of all the good things to make your garden and greenhouse gay. Thousands of testimonials. Everything packed free and carriage paid.

**MRS. GARDNER, F.R.H.S., PRIORY HOUSE, STROUD.**

**St. Andrews Horticultural Society.**—The members of this society met on January 18 in the Madras College, when Mr. W. Macdonald, gardener of Mount Melville, was appointed chairman for the year and Mr. David Stevenson hon. secretary. After consideration it was agreed to hold the annual show. Mr. Stevenson suggested that half the prize money and a donation from the society might be handed over to one of the war funds. It was also suggested that some exhibitors might offer their exhibits for sale at the close of the show for the same purpose.

## TRADE NOTES.

### SEED CATALOGUES OF INTEREST.

IN these days of keen interest in Sweet Peas we are glad to notice that the firm of Henry Eckford, Wem, Shropshire, which did so much in the early days to develop this, the Queen of Annuals, is still well to the fore. As usual, the firm's catalogue is thoroughly up to date, and in addition to all good standard varieties three novelties are listed. These are Admiral Jellicoe, slightly waved azure blue; Queen of the Belgians, waved mauve; and Kitty Eckford, waved soft rose, shaded salmon. In addition to Sweet Peas, a great many other flower seeds are offered, as well as some very fine vegetables. All who are interested can obtain a free copy of the catalogue by writing direct to Mr. Eckford for it.

MESSRS. PENNELL AND SONS of Lincoln are an old-established and well-known firm whose catalogue of vegetable and flower seeds ought to be in the hands of everyone interested in gardening. In addition to the ordinary kinds, seeds of many that are not often grown

will be found listed in its pages. Thus Mercury, Lincolnshire Spinach or Good King Henry, Sweet Corn or edible Maize, Rhubarb seed, Salsify and a good collection of herbs are to be found, with particulars of each. The catalogue is well printed and illustrated, and ought to prove very useful for reference.

### "HERBACEOUS, ALPINE AND OTHER PLANTS."

UNDER the above title Messrs. Thompson and Morgan, the well-known nursery and seed firm of Haslemere Nurseries, Ipswich, have just issued a catalogue that will appeal to all who take an interest in hardy plants. As usual, the firm have some fine novelties to offer, as well as all the best standard kinds, full descriptions of which are given. The whole of the contents are arranged alphabetically, and many little-known plants that are not listed in a good many other catalogues are included. A copy of this useful publication will be sent post free to any of our readers who care to apply for it.

### CATALOGUES RECEIVED.

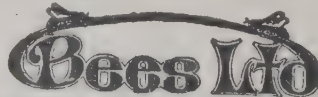
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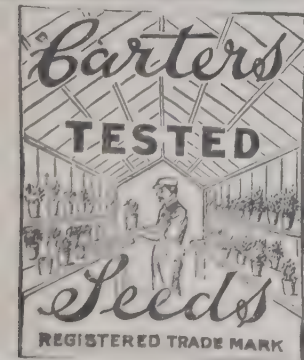
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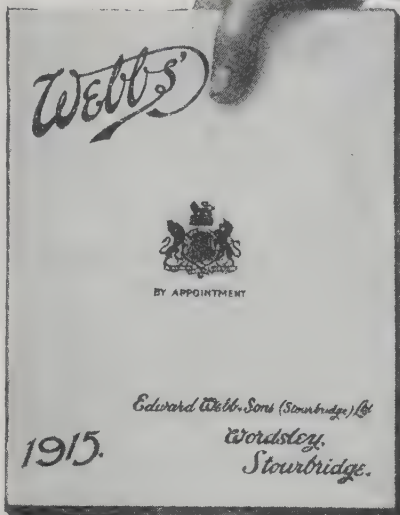
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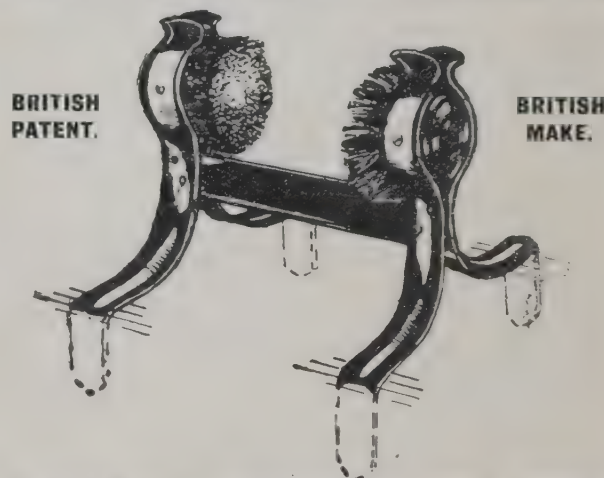
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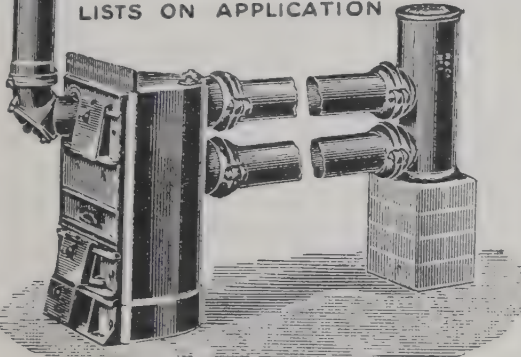
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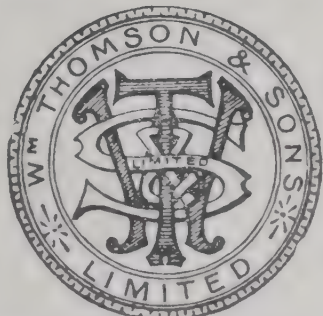
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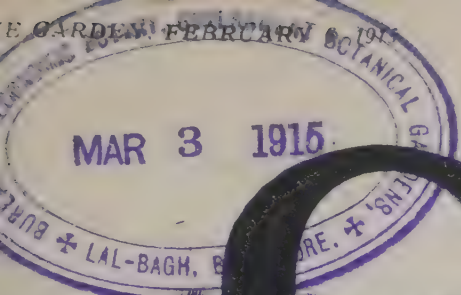
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A WEEKLY  
ILLUSTRATED JOURNAL FOR GARDEN  
ORCHARD AND WOODLAND

Vol. LXXIX.—No. 2255.

Printed as Second-class Matter at the New York, N.Y., Post Office.

SATURDAY, FEBRUARY 6, 1915.

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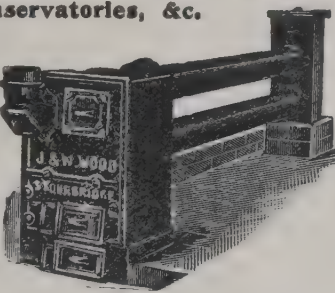
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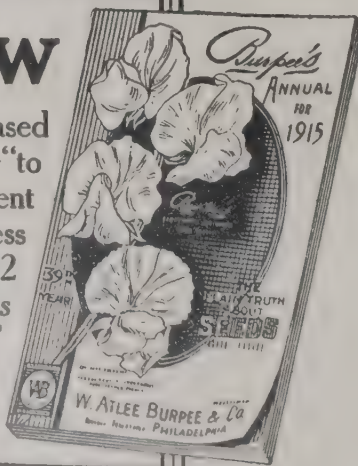
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The above original letters can be seen in my office, and thousands of similar ones that drop into my letter-box with the regularity of the sun. What more can be said of any trees or plants? Low prices and so-called cheap lots are not cheap when they apply to rubbish. I sell only FIRST-CLASS QUALITY, so that I may live in your confidence for many years to come, remembering that many customers to-day were my customers over 20 years ago.

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General favourites everywhere on account of their hardiness, abundant blooming qualities (being scarcely ever out of flower the whole season), and robust, vigorous constitution.

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All the above Hybrid Perpetuals are strong, robust, two-year-old trees, every one of which flowered abundantly last season. Any 6 for 4/6; the set of 12 (one of each), for 8/-. Extra large selected, 6 for 5/6; 12 for 10/-.

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For places abroad, the Ideal Collection will be 8/6 and 11/- respectively, post free for cash.

Will Customers kindly note that we cannot alter this Collection.

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ECKFORD'S IDEAL COLLECTION of FLORAL BEAUTIES contains:—

6 Grand Varieties of Eckford's Giant Sweet Peas, separate and named.  
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1 packet of each Half-Hardy Annuals as follows. The culture is given on each packet. Eccremocarpus (fine climber for trellis or arch), Lobelia, Eckford's Prize Marigold (Nicotiana Night-scented), Salpiglossis, and Schizanthus Retusus.

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Seed Grower and Specialist  
(DEPT. 53),

WEM, SHROPSHIRE.

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We are not merely dealers in, and advertisers of Sweet Peas, but grow many acres for seed, and supply most of the large wholesale houses in the trade. In buying from us you are buying from the grower, not the dealer. The following Collections contain the best varieties in cultivation. All seeds are hand-picked and of first-class germination.

### Collection K. Price 1/6.

Twelve splendid Waved varieties (30 seeds of each).

Countess Spencer, blush-pink ... 2d.  
Frank Dolby, clear lavender ... 2d.  
Clara Curtis, deep cream, very fine ... 2d.  
Arthur Unwin, rose with cream wings ... 2d.  
Helen Lewis, madder-lake ... 2d.  
Marie Corelli, deep rose self ... 2d.  
Mrs. Hugh Dickson, salmon-pink on cream ... 2d.  
Nora Unwin, pure white ... 2d.  
Queen Alexandra Spencer, a grand scarlet ... 2d.  
Saint George, cherry-red and rose-purple ... 2d.  
Tennant Spencer, purplish-mauve, large ... 2d.  
W. R. Beaver, greyish-white, striped chocolate ... 2d.

### Collection L. Price 2/-.

Twelve very fine Waved varieties.

The number of seeds and price per packet are indicated after each variety.

Bertrand Deal Improved, a giant rosy-lilac (20) ... 3d.  
Elsie Herbert, white, edged rose (30) ... 3d.  
Etta Dyke, pure white Spencer (25) ... 3d.  
Helen Grosvenor, orange, salmon-rose wings (25) ... 3d.  
Mrs. Routzahn, salmon-pink on cream (30) ... 3d.  
Mrs. Hardcastle Sykes, pale rose, very free (30) ... 3d.  
Mrs. R. Hallam, salmon-pink and primrose (30) ... 3d.  
Premier, blood-red, sunproof, very free (30) ... 3d.  
Nubian, deep chocolate (30) ... 3d.  
Stirling Stent, brilliant shrimp-pink (25) ... 3d.  
Queen of Norway, a fine mauve self (30) ... 3d.  
Ivanhoe, heliotrope, suffused pink (20) ... 3d.

Collections K and L together for 2/6, with one packet of Charles Foster, pink, suffused lavender, 3d. gratis.

### Collection M. Price 2/6.

Twelve extra fine varieties.

The number of seeds and price per packet are indicated after each variety.

Barbara, deep shrimp-pink (15) ... 4d.  
Dobbie's Scarlet, light scarlet, shaded cerise (15) ... 4d.  
Elfrida Pearson, pale pink, suffused salmon (30) ... 4d.  
King Manoel, deep maroon, large flower (20) ... 4d.  
Maud Holmes, deep crimson, waved (25) ... 3d.  
Mrs. Breadmore, cream, edged strawberry (30) ... 3d.  
Prince Edward of Wales, cream-pink (20) ... 4d.  
Rosabelle, deep rose, extra large (20) ... 3d.  
Majestic, deep cream (20) ... 3d.  
Mrs. Heslington, mauve, shading to lavender (25) ... 4d.  
W. P. Wright, light lavender-blue self (30) ... 4d.  
King White, pure white, large (25) ... 4d.

Collections L and M, together for 3/9, with one packet each of Empress Eugenie, grey, flaked lavender, 6d., and Princess Mary, brilliant blue (20), 4d., gratis.

### Collection N. Price 2 9.

Twelve Newer Varieties.

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Agricola, blush, suffused rosy-lilac (20) ... 4d.  
Dobbie's Cream, the richest cream variety (20) ... 3d.  
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Lavender George Herbert, lavender, large (15) ... 4d.  
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Scarlet Emperor, brilliant scarlet (25) ... 4d.  
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Hercules, rose-pink self (30) ... 4d.

Collections M and N together for 4/9.

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**Parks Superintendent for Eastbourne.**—We understand that Mr. G. Burrows, for ten years head-gardener at Shendish Gardens, King's Langley, Herts, has been appointed head-gardener and parks superintendent to the Eastbourne Corporation, and his new duties will commence on the 8th inst. For some years Mr. Burrows has been a contributor to our pages, and we wish him every success in his new sphere. He is a good gardener, and the Eastbourne Corporation is to be congratulated on selecting him from the 180 applicants for the post.

### War against Waste.

The most insidious form of waste is probably the negative sort; the neglect or omission to take advantage of every opportunity of getting better results at a lower cost.

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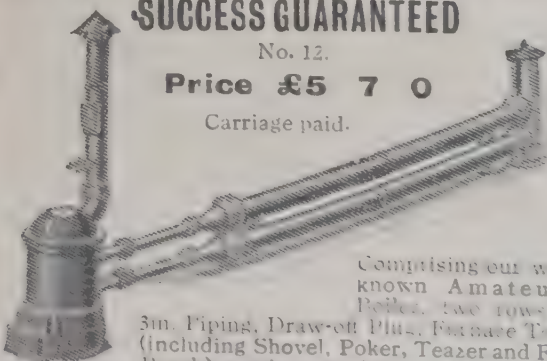
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### TRADE NOTES.

#### SEEDS AND PLANTS FROM KENT.

THE seed and plant catalogue just received from Messrs H. Cannell and Sons, Eynsford, Kent, is, as usual, replete with almost every kind of seed or plant needed for the garden. We are pleased to note that the firm is keeping thoroughly up to date, as evidenced by the many novelties that are offered. These comprise new departures in a blue *Primula obconica*, *Antirrhinum* of several shades, *Asters*, *Sweet Peas* and several kinds of vegetables. We understand that Messrs. Cannell will be pleased to send a copy of this catalogue post free to any of our readers.

#### BEGONIAS AND DELPHINIUMS.

WE are reminded of the beautiful exhibit of choice *Delphiniums* in pots shown at the last Chelsea Show by Messrs. Blackmore and Langdon, Twerton Hill Nursery, Bath, by the receipt of their catalogue of *Begonias*, *Delphiniums*, *Violets*, blue *Primroses* and many other kinds of plants. As is well known, the firm has for many years made a speciality of *Begonias*, and we have vivid recollections of a glorious display of several acres of tuberous varieties planted out in their nurseries. But they also specialise in *Delphiniums*, blue *Primroses*, *Violets*, *Cyclamen*, *Carnations* and other plants, and we cannot do better than advise all our readers who are interested in these to write for a free copy of the catalogue.

\* \* The Yearly Subscription to THE GARDEN is: Inland, 6s. 6d.; Foreign, 8s. 9d.

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**Primula Obconica Grandiflora, Chenies**

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### Plants for Prisoners.

One of the most delicate compliments ever paid to a house of business was paid to Bees the other day, when a lady wrote to enquire if Bees could send a quantity of their catalogues containing natural Photo Colour illustrations to be made up into scrap books for the use of the sick and wounded who are imprisoned in the hospitals.

Perhaps the most sumptuously illustrated Plant Catalogue ever published is No. 48, the one lately issued by the Bees. There are 20 pages of natural colour illustrations all reproduced from direct colour photos.

But a more amazing thing still is the fact that any of these beautiful plants are to be sold at 4d. each, 3 for 1s. 2s. doz. In addition there is a special clearance offer of about 250 items, most of which can be had at

3d. each, 3 for 6d.

These plants are Hardy Perennials, the out-door border and rock garden subjects which die down in the winter and come up again, stronger than ever, in the following spring. There is no trouble taking up and boarding in frames and greenhouses, while the effect they produce is distinctive and superior.

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no matter how much or how little you may require. A season's experience proves this to the gardener, and that is why all gardeners ultimately buy their seed from

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Annual. Every packet of Peas—or other flower seeds—supplied by Henry Eckford represents the maximum of possibilities in regard to fertilization, growth and blossom. In every direction the gardener benefits; raising more and better plants, and with infinitely finer display of bloom. No one who has ever seen an "Eckford" display would ever doubt the wisdom of sending to Wem for all Flower and Vegetable Seeds.

### SPECIAL NOVELTIES FOR 1915.

**ADMIRAL JELLICOE (Novelty 1915), Slightly Waved (Blue).**—This a beautiful new Azure Blue of fine shape and substance. It is only slightly waved, but is of fine size, borne in fours on splendid long stems and beautifully placed. This flower has been much admired at the shows, where it seemed to impel notice. The plant itself is a very vigorous grower, it attained a height of over 14 ft. during 1914. In sealed packets, 5 seeds, 1/3; 10 seeds, 2/6.

**QUEEN OF THE BELGIANS (Novelty 1915), Waved (Mauve).**—This is a very much improved Dorothy Tennant. The same colour exactly, but it is a much larger and stronger flower, very exquisite for cutting, and also a splendid garden variety, being very free flowering, it usually gives fours on long strong stems. In sealed packets, 5 seeds, 3d.; 10 seeds, 6d.; 20 seeds, 1/-

**KITTY ECKFORD (Novelty 1915), Waved.**—The colour of this flower is a beautiful soft or light rose, shaded salmon, giving a true self-coloured effect. A strong grower, giving splendid stems, with generally four fine flowers of waved type. A splendid Garden as well as Exhibition variety. In sealed packets, 7 seeds, 1/3; 15 seeds, 2/6

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We also send a specially written Booklet on the Culture of Sweet Peas FREE with each Collection.

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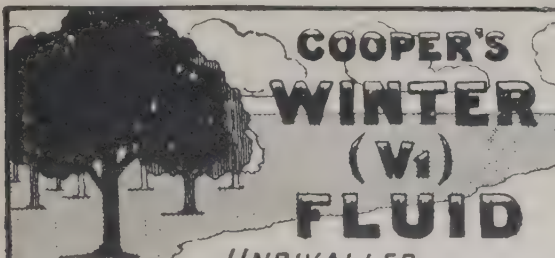
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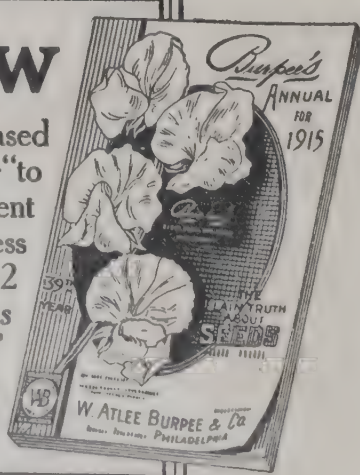
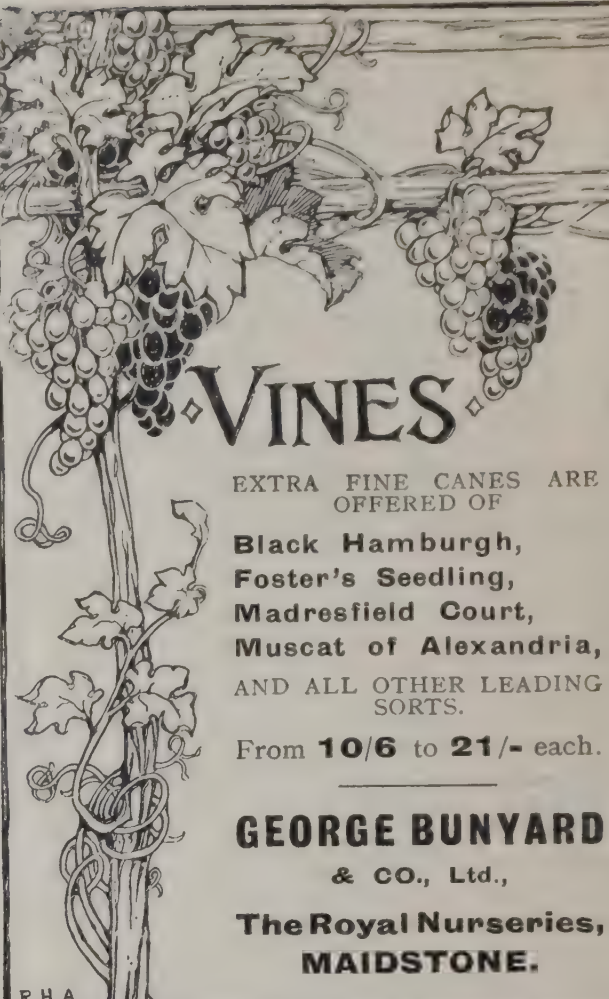
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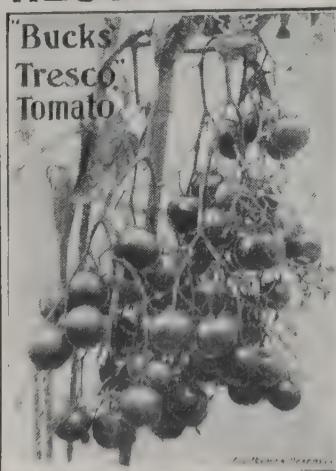


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Edu Meyer, H.T., red, yel., shaded copper ... 8d  
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Dupuy Jamain (HP), cerise ... 6d.  
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General McArthur (HT), crimson ... 8d.  
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Viscountess Folkestone (HT), cream ... 6d.

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Caroline Testout (HT), salmon-pink ... 6d.  
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Gloire de Dijon (T), yellow-buff ... 9d.  
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Liberty (T), velvety-crimson ... 6d.  
Mme. A. Chatenay (HT), salmon-pink ... 6d.  
Mme. Jean Dupuy (T), golden-yellow ... 8d.  
Mme. Jules Grolez (HT), bright rose ... 6d.  
Mrs. A. Ward (HT), yellow ... 8d.  
Mrs. H. Stevens (T), white ... 8d.  
Rayon d'Or (HB), orange-cadmium ... 1/-  
Richmond (HT), scarlet ... 8d.  
W. A. Richardson (N), orange ... 9d.

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Antoine Rivoire (HT), pale cream ... 8d.  
Caroline Testout (HT), salmon ... 6d.  
Lady Ashtown (HT), Rose du Barri ... 6d.  
Lyon (HT), shrimp-pink ... 8d.  
Mme. A. Chatenay (HT), salmon-pink ... 6d.  
Mme. M. Soupert (HT), sunset-yellow ... 8d.  
Mme. Ravary (HT), orange ... 6d.  
Pharisaer (HT), rosy-white ... 8d.  
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F. K. Druschki (HP), white ... 6d.  
Hugh Dickson (HP), crimson ... 6d.  
Lady Alice Stanley (HT), silvery-flesh ... 8d.  
Lady Ashtown (HT), deep pink ... 6d.  
Lyon (HT), shrimp-pink ... 8d.  
Mme. A. Chatenay (HT), salmon-pink ... 6d.  
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General McArthur, bright scarlet-crimson ... 8d.  
Gruss an Teplitz, crimson, shaded scarlet ... 6d.  
Harry Kirk, deep sulphur-yellow ... 8d.  
Killarney (HT), pink ... 8d.  
Mme. Abel Chatenay, salmon-pink ... 6d.  
Mme. Jules Grolez, bright rose ... 6d.  
Mme. Ravary, pale orange ... 6d.  
Rayon d'Or, deep orange-cadmium ... 1/-  
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Lady Gay, cherry-pink ... 9d.  
Reine Olga de Wurtemberg, red ... 9d.

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**MAIDSTONE.**



**READING AND DISTRICT GARDENERS' ASSOCIATION.**  
THE first fortnightly meeting of the spring session was held, by kind permission of the University College authorities, on the 25th ult. The president presided over a good attendance of members. The lecturer for the evening was Mr. A. E. Barnes of University College Gardens, Reading, and his subject was "Chrysanthemums for Market." Mr. Barnes read a most useful and instructive paper, describing the culture of the Queen of the Autumn Flowers from the cutting to the flowering period. The best varieties for growing in the open as well as for indoor cultivation were given, as also were the different remedies for diseases and pests, the best method of manuring, stopping, disbudding, and of protecting the outdoor varieties. A discussion followed the lecture, and at the close of the meeting Mr. Barnes was accorded a very hearty vote of thanks. In the points competition the following awards were made: Class I.—Mr. F. Townsend, 11 for Hyacinths; Mr. Blackwell, 12 for Primula malacoides; and Mr. H. Goodger, 9 for Potatoes. Class II.—Mr. F. Haines, 8 for Apples. Mr. Blackwell was awarded the association's certificate for a group of berried Solanums.

## BOOKS.

**Douglas' Journal.**—There are, I feel certain, numerous readers of THE GARDEN who only regard the plants in their borders and hothouses from the point of view of their edible or decorative value. So far their interest is very keen. I feel confident, however, that their pleasure in gardening would be considerably more were they also to give a thought to what is "back and behind" of their presence there. That they did not all drop from the clouds on our "tight little island" is obvious to anyone with but a child's knowledge of our native flora. When we come to think of it, most of our garden plants are strangers. Whence came they, then? Who brought them hither? And when was it? The "Journal kept by David Douglas during his Travels in North America, 1823—1827," lifts a small corner of this unknown information. As we peruse its pages we are taken to lands whence it will be seen a few of them came, and we are told of the labours and hardships of the man who first collected them and sent them home. The date, too, compels attention, for Columbia and North-Western America were much more distant a hundred years back than they are to-day.

Where did our Clarkias and Eschscholtzias, where did our Lupines and Mimuluses, where did our Pentstemons and Oenotheras (Evening Primroses) come from? Some at least from California and North-West America, whither David Douglas was sent under the auspices of the Royal Horticultural Society in 1823—1827. He was one of our greatest collectors of plants, one who loved his work and who spared no pains (report says he worked eighteen hours a day to fit himself for his second expedition) to make himself proficient in all that appertained to his calling, and who showed great skill and resource in overcoming the

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inevitable and inseparable obstacles that were the lot of a traveller in a wild country such as Douglas had to face. He writes in a most matter-of-fact way of his life there. Many were the privations and discomforts he went through (one item is, a "long and tedious voyage of 8 months 14 days from England"). Many were his escapes and adventures; e.g., here is an entry, Friday, March 24, 1826: "After a tedious night, day-break was to me particularly gratifying, as might well be guessed, being surrounded by at least 450 savages, who, judging from appearances, were everything but amiable." I should think so. It sounds like a page from one of Captain Mayne Reid's tales of the backwoods for boys.

These adventures make desperately interesting reading, and give us an insight into native life and customs when white men's visits were few and far between. Thus in addition to its interest to the gardener pure and simple, the Journal is a book that anyone can read with a great deal of pleasure. The summary of the collector's life; the list of plants he introduced, over two hundred and fifty in number; the notes on "Some American Pines," and an account of his death in a bullock trap in Hawaii are added as appendices to the main work. The work of transcription has been well done by the Rev. William Wilks, V.M.H., the secretary, and Mr. H. R. Hutchinson, the librarian, of the Royal Horticultural Society. A note on the title-page tells us that it is published under the direction of the society by Messrs. William Wesley and Son of London, from whom copies may be obtained, price one guinea each. A sketch of David Douglas at the age of thirty forms the frontispiece of this thin large 8vo volume, which cannot fail to be of much interest to the naturalist, the gardener and the general reader who love adventure.

—JOSEPH JACOB.

## OBITUARY.

### THOMAS GRACIE.

MR. THOMAS GRACIE, for fifteen years gardener in the family of the late Sir George Walker, Crawfordton, Glencairn, Dumfriesshire, died at his home, Linn, Dunscore, Dumfries, on January 31, in his fifty-second year. Mr. Gracie had been

employed in several good gardens in Dumfriesshire and Kirkcudbrightshire before he took up his appointment at Crawfordton, and his experience of the climatic and other conditions of the South-West of Scotland was of great service to him. He retired from active life about five years ago, when he went to Linn to reside. He is survived by Mrs. Gracie and a grown-up family.

## TRADE NOTE.

### "ROSES FOR AMATEURS."

UNDER the above title Mr. E. Percy Smith, 13, Witham Place, Boston, Lincs, sends us an interesting catalogue of Roses. Amateurs will find the cultural hints that precede the lists of varieties very useful. For exhibitors Mr. Smith offers well-rooted dormant buds in pots, so that, when the bud develops, a maiden plant will be secured. We notice that he offers a very wide selection of all types of Roses, and is willing to send a copy of the catalogue gratis and post free to anyone who cares to write for it.

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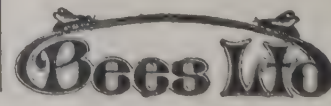
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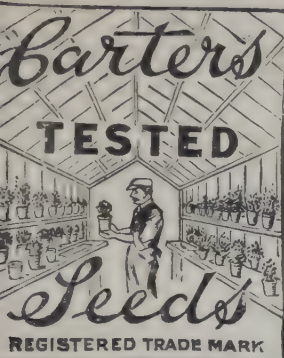
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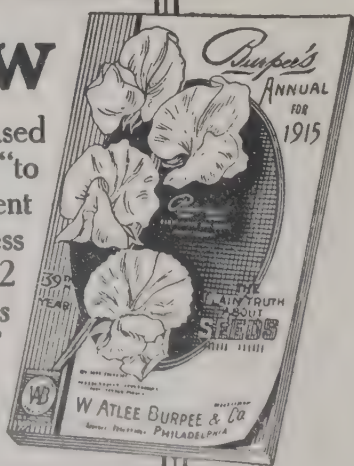
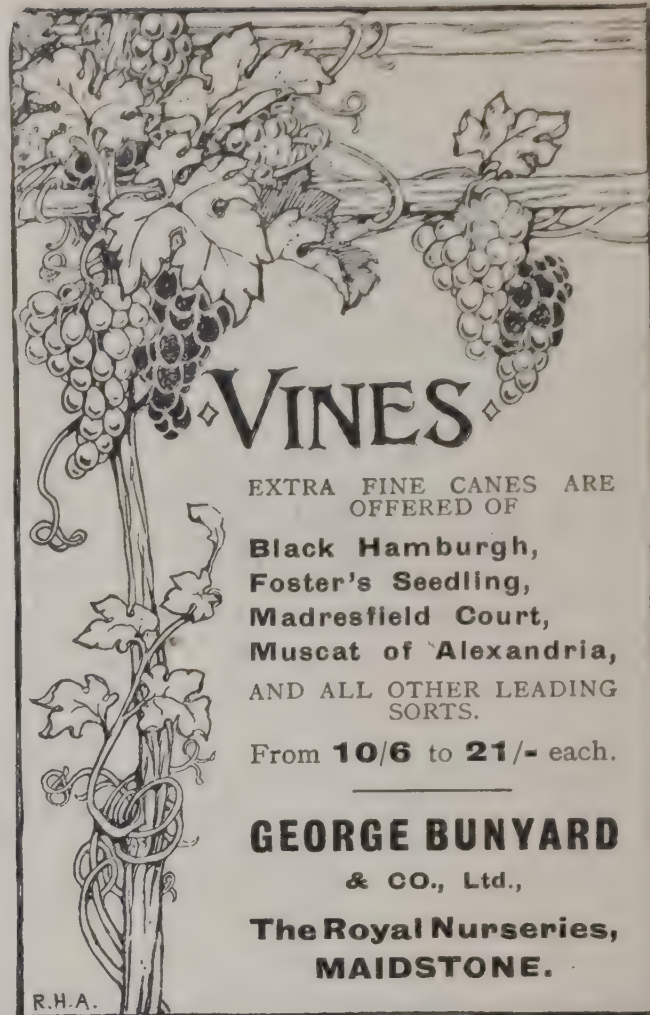
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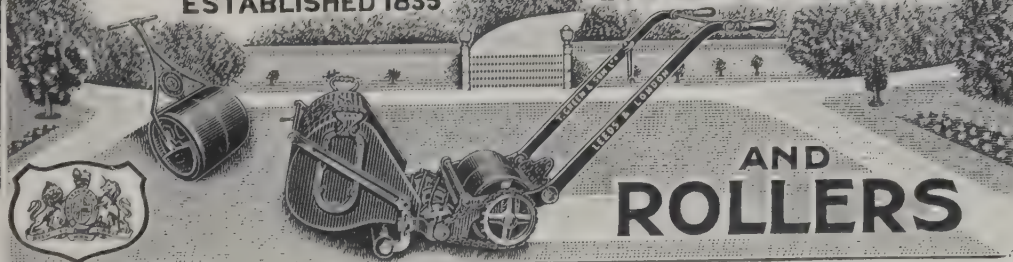
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## TREES AND SHRUBS.

**CUTTING BACK OLD IRISH YEW (H. W. M.).**—It will be very difficult to reduce the size of the old Irish Yews to any material extent without disfiguring them rather badly. The work can be done during March or early April, and the first business must be to decide which branches can be cut clean away. It is probable that a number of the outside branches can be thus dealt with. Then proceed to shorten the remaining branches, keeping in mind the natural habit of the plant during the work. Whenever a small branch can be left so that it will hide, or partly hide, a cut, leave it. If the trees are to be reduced to a considerable extent, the work must be undertaken in a bold manner, for if a little shortening only is done the results will not compensate for the work. The desirability of the removal of one or more plants ought to be considered before undertaking the pruning. When the work is done, give every wound a coating of coal-tar.

**EVERGREEN FOR SANDSTONE WALL (H. R. Peart).**—There is no other evergreen climber, except the Ivy, which would cling to your wall and act as you suggest. There is, however, a deciduous shrub called *Hydrangea petiolaris*, which forms aerial roots from the stems and clings in the same way as the Ivy, which would answer your purpose. Good evergreen wall plants which do not cling in the same way as the Ivy are *Pyracantha coccinea*, *P. angustifolia*, *Ceanothus rigidus* and *Escallonia macrantha*. The first two are remarkable for their showy fruits, and the last two for their flowers.

**IVY FOR TREES (D. P. S.).**—The Ivy found on trees in woods and other places is usually the common Ivy (*Hedera Helix*), although the Irish Ivy (*H. H. canariensis*) is sometimes used for the purpose. The bushy character assumed by the Ivy when growing over trees is simply a sign that the plant has assumed its adult or flowering stage. All climbing Ivies act in the same way when they reach the top of their support. Bush Ivies are obtained by propagating from plants which have attained this stage. Nurserymen supply Ivies suitable for planting to cover trees, or you can transplant examples from woods or other places to the required positions.

## MISCELLANEOUS.

**TREATMENT OF PASSION FLOWER (T. W. Appleby).**—If there is ample room for the development of your Passion Flower it will not need pruning, but the principal shoots should be secured to the wall. This will lead to the production of secondary ones, which should flower freely in the course of the summer. Any weak and entangled shoots may be cut clean out. Should your plant have furnished its space, or nearly so, the strong shoots may be shortened back to about half their length. It will then later on start into growth, and should flower well.

**VARIOUS QUESTIONS (Gardener).**—Yes; the liquid from the cesspool has some manurial value, and it will quickly lose its odour if it is poured on to the soil, where it will be beneficial to any crop grown for its foliage, provided the ground has been well limed beforehand. It is likely to be harmful where there is no lime (and even in a soil such as yours, where there is a certain amount of lime in the subsoil, the upper layers are likely to be completely depleted), for it would tend to make the soil sour and unhealthy for plants. Such crops as Cabbage, Rhubarb, Celery, Potatoes, Gooseberries and all fruit trees in bearing would benefit by its use except in very wet weather; but it would be unwise to allow the liquid to come into actual contact with the foliage. It may be applied from a water-can or from a garden engine. Deodorising by chemical means would be a rather expensive process, though something might probably be done even in this direction by adding lime to the contents of the cesspool. This would probably result in the loss of ammonia, and lower the manurial value of the liquid. We think sand or peat moss moistened with paraffin would serve the purpose you desire, especially if the moistening was renewed. Take care in thinning the Carrots that all thinnings are collected, and also that the soil is made firm about the young plants. We recommend you to spray the Celery with Bordeaux mixture, beginning at the end of May and continuing at intervals of about three weeks right through the growing season in order to keep rust in check. It is due to the fungus *Septoria petroselinii* var. *Apii*, and is found on the seeds very frequently, so that an endeavour should be made to get seeds free from the fungus.

**GARDEN PLAN (P. G. E.).**—There would appear a strong desire to embrace too much, and a pit for rubbish, cold frames, small lawn, plenty of fruit trees, with vegetables, Loganberries, Blackberries, Currants, Gooseberries, Strawberries, Damsons, Plums, &c., in a 60 feet plot is far too much. Taking half the space for the small lawn, or, roughly, 35 feet, the remaining 34 feet, less 9 feet for frames and path around and rubbish pit, and allowing a 2-feet wide screening hedge with 3-feet wide path in front of it, leaves exactly a 20-feet long plot for all the rest. The lawn space would of necessity have to be reduced at the house end for the suggested sweet-smelling flower border and possibly path. The simpler way would be to plant a fence of Loganberries and like fruits at the end of the lawn as a dividing line between it and the vegetable plot; then, by arranging side borders 3 feet wide in the latter, grow herbs, Onions, Strawberries, Carrots, Lettuce and similar things thereon. It would be possible, of course, to plant fan-trained fruit trees across the lawn and at the other extreme, though the screening effects would not be great. One of the side borders would grow bush fruits quite well, while gordon-trained trees might be accommodated on the side fences. The size of the paths is optional, but there

is no better material than good binding gravel over a well-prepared bottom of clinker and stone a foot or more in thickness.

**MAKING A HOT-BED (Also Ran).**—Horse-manure without straw might generate warmth for a short time and fail suddenly, owing to the weight of the mass and early decomposition. The latter would, however, be in relation to the amount of moisture the manure had absorbed. Sawdust in small proportion would do no appreciable harm. If in any considerable bulk, it could easily be separated from the manure when turning the latter over. As you have plenty of Oak leaves, mix these with the manure in equal proportions, slightly damp if necessary—which is almost certain to be the case—and thoroughly mix together, turning the whole twice or thrice in the course of a fortnight. A mass of this 2 feet thick will make an excellent hot-bed, in which hosts of things could be raised. The bed should be made moderately firm and built evenly. A difficulty in the way of building might be experienced owing to the absence of the straw, which, apart from its aerating properties and permitting the heat to percolate freely through the mass, is its binding effect upon the whole. Hence in your case a skeleton board frame to keep the heap together, fastened to leg supports driven into the ground, might be employed. The ordinary hurdles of your district or watted hurdles would answer the same purpose. The bed should be 18 inches wider than the frame at all parts. If you have no Cocoon fibre to cover the manure, use a 3-inch thick layer of the sawdust to modify the heat. Well prepared, such a bed would be good for weeks. For the streamside bank the common Primrose is very beautiful, while *Primula farinosa*, *P. rosea*, *P. denticulata* and *P. sikkimensis* would be very fine. Occasional plants of *P. japonica* and *P. pulverulenta*, with a grouping of *P. bulleyana*, might be indulged in. All of these are easily raised from seeds, and they are sufficiently diversified in habit and time of flowering to produce an interesting display for some time. Snowdrop, Snowflake, the Cyclamen-flowered Narcissus (*N. cyclamineus*), also *N. Queen of Spain*, are cheap bulbous flowers that would add still greater charm to the whole.

**LAYING OUT GARDEN (New Land).**—Taking your questions *seriatim*, the soil will require trenching, manuring and liming, the lime (slaked) to be added at the rate of two bushels per rod of ground and dug in at once. It would be better to do this now while the ground is unoccupied. The side borders intended for herbaceous plants should be prepared like the above. Shrubs and fruit trees should find no place therein; there is a wealth of choice in the plants themselves. In respect to planting, it would be better to adopt the group system, and an 8-feet wide border might well contain three lines of groups running longitudinally. Grouping is the arranging of, say, three or five plants of a sort together, *i.e.*, at intervals to permit of development, but to represent one group when in growth. Such groups should occupy alternate positions looked at from front to back. Any hardy plant nurseryman would supply you with the plants and quote prices per hundred for them and the work of planting. Select lists of the best, with height, colour, time of flowering, &c., are given, with much valuable information, in "The Hardy Flower Book," by E. H. Jenkins; price 2s. 10d. post free, from our Publishing Department. Rose-beds are usually best devoted to Roses alone, though good contrast effects are obtained by carpeting the surface with Tufted Pansies (Violas). One variety of Rose in each bed is best. In the rockery the best results are obtained by colonising, *i.e.*, the grouping of a dozen or fifty of one kind, according to their nature and growth. We cannot advise definitely as to this without knowledge of the circumstances—general construction, soil, rock and other things requiring personal acquaintance. "The Small Rock Garden," a companion volume to the above named, by the same author, would help you much so far as suitable varieties and other matters are concerned. The kitchen garden must be thoroughly trenched, manured and limed before planting is done, and as the latter should be completed during the present month or thereabouts, there is no time to lose. For convenience divide this plot in half with a central 4-feet wide path, other paths 3½ feet wide to encompass it, with narrow borders for herbs, small-growing salads and the like abutting on the boundary. Plant pyramid Apple trees at 4 feet from each corner—Cox's Orange Pippin, Allington Pippin, Worcester Pearmain and Newtown Pippin for dessert; Annie Elizabeth, Lane's Prince Albert, Newton Wonder and Stirling Castle for kitchen use. Gooseberries, Strawberries, Currants and Raspberries might occupy the side borders. It is possible that room might be found for fan-trained or espalier Pear and Plum trees at the south-eastern extremity of the vegetable plot, or near or on the boundary fences elsewhere. The cropping of the kitchen garden any gardener could arrange to meet requirements.

**NAMES OF FRUIT.**—*F. H.*—1, Yorkshire Beauty; 3, Smart's Prince Arthur; 5, Flanders Pippin. All the other fruits had their numbers detached and mixed up, but the large yellow fruit of perfect form is Queen Caroline, and the three small fruits are all King of the Pippins.

**NAMES OF PLANTS.**—*C. Wilding.*—1, *Nephrolepis exaltata* Piersoni; 2, *N. Marshalli* compacta; 3, *N. todeoides*; 4, *N. acuta* variety (?), specimen too incomplete to identify; 5, *Begonia metallica*; 6, *B. Gloire de Secaux*; 7, *Moschosma riparium*; 8, *Maranta bicolor*.—*G. B., Devon.*—1, *Chlorophytum elatum* variegatum; 2, *Pteris cretica* albo-lineata; 3, *P. serrulata* cristata; 4, *Crassula coccinea*; 5, *Adiantum formosum*. To kill the slugs which eat the Celery, use dressings of Vaporite. The straw would not answer, as it would not keep the slugs off. Brown paper wrapped round each plant before earthing up would help.—*No. 4, E. B.*—*Lælia anceps*.

## SOCIETIES.

ROYAL HORTICULTURAL SOCIETY.  
ANNUAL GENERAL MEETING.

The annual general meeting of the Royal Horticultural Society was held at Vincent Square on Tuesday, the 9th inst., Sir Harry J. Veitch presiding, supported by Lord Balfour of Burleigh, Lieutenant-Colonel Mark Lockwood, M.P., Sir Albert Rolitt, Mr. Arthur W. Sutton, and other members of the Council. About forty Fellows, including the Council, were present.

The adoption of the report of the Council and balance-sheet, which have been sent to every Fellow, was proposed by the chairman. At the outset he referred to the absence of the president, Lord Grenfell, who was unable to be with them on account of being engaged in military service. He was also sure that they much regretted the absence of the secretary, the Rev. W. Wilks, who had been seriously ill for ten weeks, but who, he was glad to say, was now almost convalescent.

Respecting the report he had very little to say. The resolution regarding developments at Wisley, passed at the last meeting, was at once acted upon, and £25,000 was allotted from the funds for that work. This did not mean that it had all been spent, as the work of building was still going on. The Council were determined to keep the practical side of horticulture well to the front, that and scientific research going hand-in-hand. Membership had fallen off somewhat on account of the war, but if every Fellow did his best for the society he did not consider there was any cause for anxiety. After referring to the research work already in hand at Wisley, and to the times of closing the fortnightly shows, Sir Harry formally proposed the adoption of the report and balance-sheet as printed and distributed.

Mr. J. Gurney Fowler, the treasurer, in seconding, dealt with the various details of the balance-sheet. During the year they had made a profit of over £10,000, but they must look forward to a year of considerably increased expense, especially at Wisley, where contracts amounting to £15,128 were entered into before the outbreak of war. Increased subscriptions amounted to about £1,100, but the lettings of the hall, owing to the war, were down about £600. The shows last year were satisfactory from a financial standpoint, as they showed a profit of nearly £600.

Discussion on the report was then invited by the chairman. Mr. Worsley suggested that the paragraph relating to the injunction obtained against a man for misusing the letters "F.R.H.S." should be altered by deleting some passages, but this did not receive support. Mr. H. J. Elwes asked why the last two annual general meetings had been held on days other than those of the fortnightly shows. The chairman explained that, according to their charter, they were compelled to hold the annual meeting on a certain date, and to have arranged the shows so that one fell on the 9th inst. would have meant clashing with Bank Holidays during the year. Mr. Elwes next referred to Pritzel's "Iconum Botanicarum Index Locupletissimus," which he thought was a matter the Council should devote more money to. He believed that such a work was urgently needed, and suggested that a smaller work on similar lines, to be called "The Catalogue of the Royal Horticultural Society," might meet the case. The recently published "Douglas' Journal" he thought was much too expensive. It was a publication that ought to be easily accessible to every Fellow, and he believed that it could have been profitably published at 5s. instead of a guinea; or, better still, it might have been included in the Royal Horticultural Society's Journal, where it would have provided far more interesting reading than the useless extracts from foreign papers to which so much space was now devoted. A member, whose name could not be ascertained, asked that the by-laws of the society be printed and sent out to Fellows with the annual report, and this he was promised should in future be done. The report and balance-sheet were then carried unanimously.

The election of officers was next proceeded with, these being elected *en bloc*.

Sir Harry Veitch then submitted the following resolution: "That the Fellows of the Royal Horticultural Society at their annual meeting on this, the 9th day of February, 1915, desire to express their deep and fraternal sympathy with the grievous losses suffered in the course of the present war by the horticulturists of Belgium and Northern France; and that they hereby request the President and Council to initiate and subscribe towards a fund to aid in the restoration of Belgian and French horticulture upon the conclusion of hostilities." He said that the passing of the resolution did not mean that it would be acted upon at once, but as they only had a meeting once a year, the Council wished to have the authority of the Fellows to take action when the right moment arrived. Mr. James O'Brien seconded, and the motion was carried unanimously.

The presentation of the Lawrence medal and the Victoria Medals of Honour in Horticulture, with a vote of thanks to the chairman, terminated the proceedings.

## DUMFRIES AND GALLOWAY GARDENERS' ASSOCIATION.

A MEETING of this association was held in the Wesley Hall, Dumfries, on the evening of February 6. Mr. William Hutchinson, The Gardens, Terregles (vice-president), occupied the chair, and there was a good attendance. A paper on "Fruit Packing and Storing" was given by Mr. T. W. Pritchard, The Grove Gardens, Dumfries. It was an excellent and practical one, dealing with the





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several points involved in a manner which was highly appreciated by the audience. The discussion was taken part in by the chairman, Mr. Bogie, Mr. Henderson, Mr. McLeod and Mr. Oliver. Mr. Pritchard was warmly thanked for his paper.

#### BIRMINGHAM AND DISTRICT GARDENERS' MUTUAL IMPROVEMENT ASSOCIATION.

THE minutes of the previous meeting, followed by the proposal and admission of new members, opened the proceedings at Birmingham on February 8. Mr. J. Udale of the Experimental Gardens, Droitwich, upon rising, scarcely needed the hearty introduction and welcome extended to him by the chairman, Mr. C. H. Herbert, his wide repute as an expert on the pruning of hardy trees being fully recognised, both throughout the county of Worcestershire and the Midlands. Despite having spoken on this subject before, he considered it would bear a repetition with convenience. Primarily, proper advantage in pruning is largely a much misunderstood operation, yet out of the many men and women who had been his pupils, he certainly considered it an exception to discover one really hopeless as a pruner, although it seemed quite possible that many boys had at the commencement comparatively no idea of correctly holding a knife. With the simple principles of pruning, two grave faults are noticeable, the chief of which is pruning to a preconceived length of growth. All those present, no doubt, already knew the weaker growths should be pruned severely and the stronger less harshly; occasionally, though, the real point is ignored; especially in those cases where intelligent advice appears to be, unfortunately, misunderstood. If the branch is, presumably, cut squarely across, the right angle will result. As to the question of "Why do we prune?" the ultimate object is to obtain more fruit and of a better quality; however, the future of the tree in succeeding years ought not to be a secondary consideration. In market gardens where large crops are required, it is possible, perhaps wisest, to resort to "express cropping," replacing the trees every few years; but in the private garden a judicious pruner should reflect somewhat before being tempted to create a record for a season only, when the detriment of the tree itself is concerned. The chief reasons for pruning are to revivify the vigour of the plant; produce larger and better blossom and fruit; to keep the plant in shape and within limits, change the habits from more or less wood, fruit or flower bearing; to remove superfluous or injured parts, facilitate spraying, harvesting and tillage; improve the convenience of the plantation; and, above all, to admit air and light to all parts of the plant. When from any cause newly planted trees have lost practically all their root system, undergone a change of climate, soil, altitude or any combination of the three, or have made poor growth during the preceding year, they should not be pruned. Numerous interesting lantern slides of specimens of all classes of fruit trees, extending over a period of several years, from specimens in the gardens at Droitwich were then placed upon the screen, and the detailed observations recounted in each

case lent an additional charm to the illustration. A short discussion then ensued, in which Messrs. Christie and Parker participated, and a vote of thanks fully containing the much-deserved tribute for the splendid lecture was proposed by Mr. Spinks and seconded by Mr. Cryer.

#### READING GARDENERS' ASSOCIATION.

THE second fortnightly meeting of the spring session was held recently at the University College, by kind permission of the authorities. The president occupied the chair, and there was a good attendance. Mr. W. Rickatson Dykes, M.A., of Charterhouse, Godalming, was the lecturer, his subject being "Irises." In the course of his remarks Mr. Dykes fully dealt with the many different species and varieties of these beautiful flowers. Taking first the bulbous section, he described reticulata, histrioides, and the English and Spanish varieties, in the cultivation of which he recommended the incorporation of leaf-mould and lime rubble in the soil. He then passed to the bearded varieties, describing some of the most beautiful of the germanica section, afterwards giving the different characteristics of other charming groups. The most suitable soil for the different varieties, hints on cultivation, the method of raising Irises from seed, fungoid pests and their remedies were all touched on in turn, and much valuable information imparted. The lecture was illustrated by a large number of beautiful coloured drawings, which were much appreciated by the audience. At the conclusion of his remarks Mr. Dykes was accorded a most hearty vote of thanks. In the points competition Mr. F. Townsend received 12 (full points) for a basket of Primulas, Mr. H. Goodger 10 for Apples, and Mr. E. Blackwell 10 for Apples. Mr. F. Townsend was awarded the association's certificate for three baskets of Apples, and Mr. A. H. Fulker, gardener to Mr. H. Pretty, was very highly commended for a group of Primulas The Duchess. Mr. H. Wilson exhibited three dishes of very fine Apples, not for competition.

#### EAST ANGLIAN HORTICULTURAL CLUB.

CONSIDERING the elements, there was a very good attendance of members at the February meeting of this club, held at Norwich under the presidency of Mr. John Clayton. The chief attraction for the evening was a lantern lecture by Mr. A. Machin of Windsor on the new discovery of soil fertility brought about by impregnating the soil with bacteria by means of inoculated peat. The matter, as expounded by Mr. Machin and depicted by his slides, taken from plants actually growing at Kew and elsewhere, could but make those present feel astonished at the results achieved. It certainly looks like a new era for the farmer and gardener. In the discussion which followed, the lecturer said that the introduction of the bacteria did not eventually wear out the soil and leave it poorer than when the application was first put in. Another question upon the result of lime brought out a remark that it was essential that the balance of this should be well maintained. From what could be gathered, it certainly seems as though several of the members are going to test the

properties of the material themselves. The display of fruit was very fine, especially the Apples from Mr. H. Terry, Haverland Hall Gardens. Bulbous flowers in pots and cut flowers from Mr. W. Shoemith, Oakland Lodge Gardens, Cringleford, were very meritorious.

#### UNITED HORTICULTURAL BENEFIT AND PROVIDENT SOCIETY.

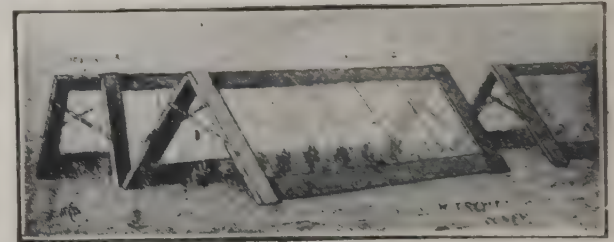
THE monthly meeting of this society was held in the Royal Horticultural Society's Hall on Monday, February 8. Mr. Charles H. Curtis presiding. Two new members were elected. The sick pay for the month on the ordinary side was a record one, amounting to £113 7s. 3d., and on the State side to £54 14s. 11d., and maternity claims £15. One member was assisted from the Convalescent Fund. The proposed alteration of rules was drafted for recommendation to the general meeting, which is to take place on April 12, when Mr. C. H. Curtis will preside, and it is hoped that every member will endeavour to be present.

#### OBITUARY.

##### A. W. ELPHICK.

MESSRS. HURST AND SON regret to announce that Mr. A. W. Elphick passed away on the night of February 5. His loss is greatly deplored by the members of the firm, who he has so faithfully represented for thirty-five years, and no doubt his many customers and friends will be equally grieved at his decease.

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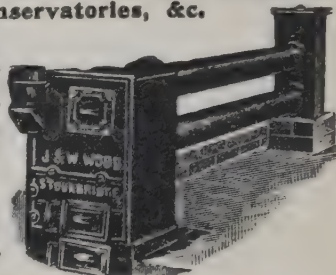
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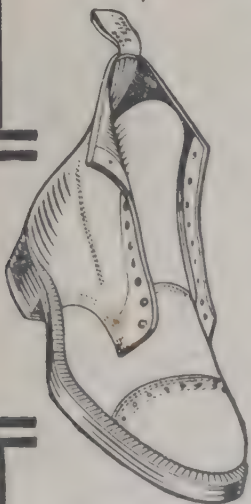
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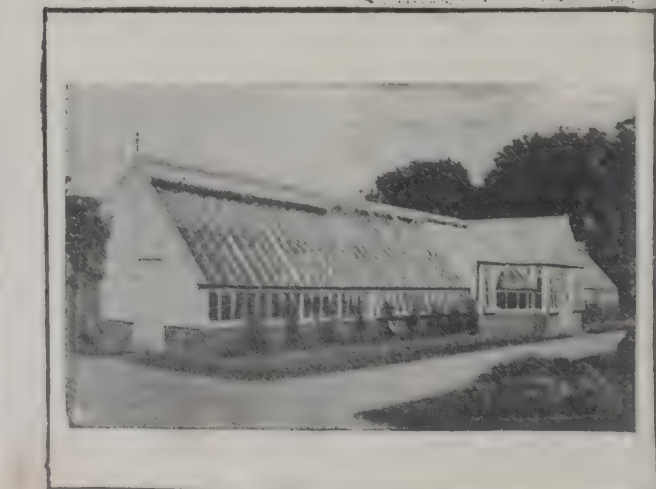
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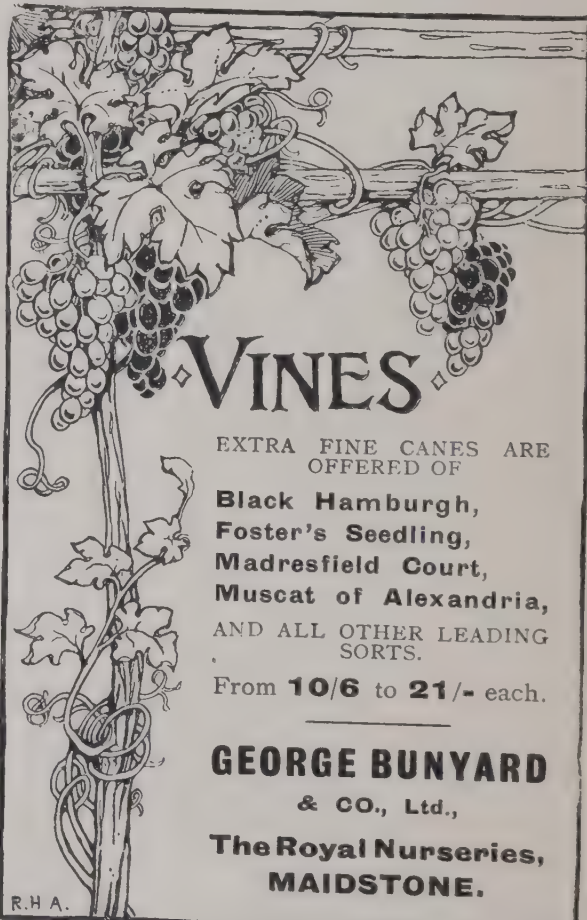
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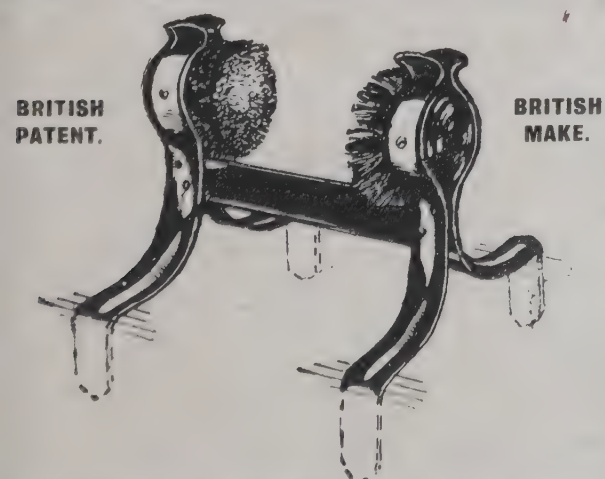
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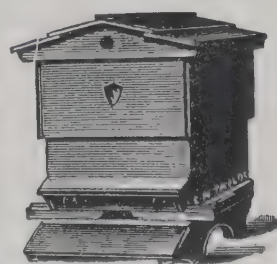
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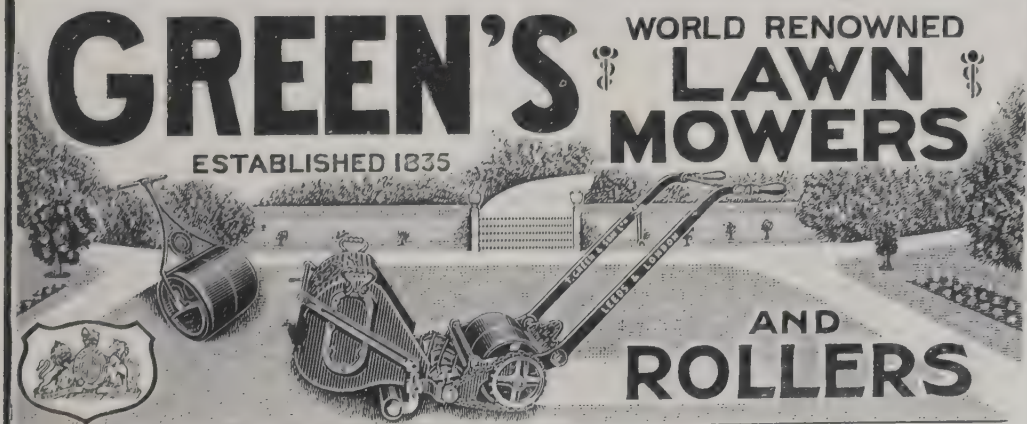
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## ROYAL HORTICULTURAL SOCIETY.

THE fortnightly meeting held on February 16 was full of interest and variety, these chiefly depending upon alpine, bulbous flowers, forced shrubs, Carnations and Orchids, which were in considerable numbers. The outstanding feature of the meeting was the forced Tulips from Southgate. Fruit and vegetables were but meagrely represented, the former consisting of a cooking test for Apples. Taken all in all, the exhibition was the most extensive held this year. Quite a throng of people were present in the afternoon. Seven new plants gained awards of merit.

## FLORAL COMMITTEE.

Present: H. B. May, Esq. (chairman), the Rev. F. Page-Roberts, and Messrs. F. W. Harvey, E. A. Bowles, J. Green, W. J. Bean, G. Harrow, G. Reuthe, C. R. Fielder, T. Stevenson, J. F. McLeod, W. H. Page, W. Howe, J. W. Barr, R. Hooper Pearson, C. Dixon, R. W. Wallace, A. Turner, C. E. Shea, W. Cuthbertson, C. E. Pearson, W. P. Thomson, E. H. Jenkins, G. Paul, E. Mawley and R. C. Noteutt.

Messrs. Barr and Sons, Covent Garden, W.C., arranged many boxes of alpine and bulbous plants, the former chiefly of *Crocus* species, Snowdrops, early Squills, the dwarfest Narcissi, Irises, Anemones and other plants. *Crocus tommasinianus* was very charming in pale mauve, its crowd of blossoms delightful in the extreme. *Crocus aureus* (rich deep golden) and *C. chrysanthus* E. A. Bowles (great yellow cups) were other noticeable kinds. Iris Danfordiae (yellow), Narcissus minimus, Scilla bifolia, N. Bulbocodium monophyllum, Lenten Roses in many shades and Adonis amurensis were also beautiful. A back row of white Freesias in pots full of bloom and fuller of fragrance attracted much attention. Anemone blanda Ingramii was fine, and hybrid bulbous Irises were very interesting. Silver Banksian medal.

Messrs. Allwood Brothers, Hayward's Heath, had an excellent exhibit of Carnations, in which Rosette (cerise), Mary Allwood (cardinal pink), Salmon Enchantress (a particularly good sort), Fairmount (deep heliotrope), Exquisite (a Perpetual-flowering Malmaison of pink colour), Champion (rich scarlet), Philadelphia (pink) and Carola (crimson) were among the best in a delightfully fresh-looking lot. Bronze Banksian medal.

Messrs. Cannell and Sons, Eynsford, Kent, staged an admirable strain of Cinerarias and Cyclamen, the former in crimson, rose, pink, blue, purple and other shades. Cyclamen of the Papilio set were also good, the whole freely interspersed by plants of Primula malacoides.

Mr. Maurice Prichard, Christchurch, had an exhibit of some hundred species and varieties of Saxifragas, among which apiculata, a. alba, Haagei (yellow), Ferdinandi-Coburgi (golden), oppositifolia, Faldonside, Mrs. Leng (yellow) and burseriana tridentata were in flower. S. Grisebachii was also noted. Hardy Heaths, Primulas and the like were in the background. Bronze Banksian medal.

Miss C. M. Dixon, Edenbridge, Kent, arranged an interesting group of Hyacinths, Tulips, Daffodils and other flowers in pink, heliotrope, cream and other shades, all delightfully harmonising together. Freesias, too, were very beautiful.

Messrs. R. and G. Cuthbert, Southgate, N., arranged a double table of forced bulbous flowers, the extreme ends made up of Freesia refracta alba and Azalea mollis in great, handsome groups. Of the Freesias alone there were some 150 well-flowered plants in pots, a delightful lot full of fragrance and charm. In the middle were the best bedding and forcing Tulips in large pans, such as King of Yellows, Unique (white and yellow), Vermilion Brilliant, Canary Bird, Artus (crimson) and Pottebakker Yellow. These, with a groundwork of Ferns and outstanding Acers, made up a particularly showy and handsome exhibit. Silver Flora medal.

Mr. Amos Perry, Hardy Plant Farm, Enfield, again contributed a fine table of hardy evergreen Ferns rich in variety and demonstrating the remarkable variation now found among these plants. The group was largely composed of Polystichums and Scolopendriums, the latter unique by reason of their dark glossy green, heavily tasselled fronds. Bronze Flora medal.

From Messrs. G. and A. Clark, Limited, Dover, came a nice lot of Polyanthus in variety and with flowers of unusual size. Some well-grown pot specimens of Lachenalials were noted, also a good specimen of Ilex Pernyil.

Messrs. W. Wells, Limited, Merstham, displayed a large stand of the new American Carnation Pink Sensation, which, by reason of its size and colour, is likely to displace many older sorts.

Messrs. J. Cheal and Sons, Crawley, arranged an exhibit of rockwork with shrubs and other useful plants. Cytisus præcox (yellow), hardy Heaths in variety, Primula denticulata, Iris reticulata, I. Danfordiae and Primula frondosa were among those nicely in flower.

The Misses Hopkins, Shepperton-on-Thames, had an exhibit of alpine plants in boxes, among which Daisies, Snowdrops, Aubrietias, early Cyclamen and others were to be seen.

Messrs. R. Tucker and Sons, Oxford, secured a bronze Flora medal for a rockwork and alpine plant exhibit. Choice Saxifragas were freely shown, among them S. Pseudo-Kotschy (small yellow flowers), S. Bicolittii, S. Bertolinii of the red-flowered set, with good forms of S. burseriana. Primula Winteri was a charming feature, as was also Morisia hypogæa.

An exhibit of alpine and shrubs from Messrs. Wallace and Co., Colchester, embraced large groupings of Crocus Sieberi, C. Imperati and others, with Iris reticulata in good form. The most interesting plant, however, was the new Chinese Primula sylvicola, with rose purple flowers in whorls springing profusely from tufts of woolly, heart-shaped leaves. The 18-inch high inflorescences bore as many as ten and twelve whorls of flowers. It is obviously a very profuse-flowering kind.

Messrs. Waterer, Sons and Crisp, Bagshot and Twyford, displayed groups of Saxifragas, Snowdrops, early flowering Squills, hardy Heaths, Narcissus cyclamineus, Chionodoxa and other flowers. Flowering shrubs, as Andromeda

japonica and a variety of Cydonias, were also noted. Silver Banksian medal.

The Guildford Hardy Plant Nursery showed Saxifraga burseriana in variety, Lenten Roses, Petasites japonica, Rosmarinus prostrata and Muscari azureum, among many others.

Mr. G. Reuthe, Keston, Kent, had a most interesting assortment of alpine and choice shrubs, together with pots of winter-flowering Crocuses and other bulbous flowers. Saxifraga Grisebachii was particularly good, as was also Eranthis cilicica. Crocus Imperati longifolia has paler flowers than the type, though very beautiful. Berberis Bealii (yellow, fragrant) and Grevillea rosmarinifolia were noted among choice shrubs, which were in great variety. Silver Banksian medal.

The Misses Price and Fyfe, Birchgrove, Sussex, had an exhibit of Carnations, Kenneth (fancy), Salmon Enchantress, Lady Fuller (pink) and Triumph being noted.

Mr. James Box, Lindfield, Sussex, displayed groupings of Primula kewensis, P. malacoides, Hepaticas, fine bushes of Daphne indica from the open bristling with fragrant flowers, with Saxifragas, early Cyclamen, Anemone blanda and Shortia.

Messrs. Piper and Son, Bayswater, had a table display of rockwork with many early alpine in flower. Daphne blagayana, Primula Juliae, Saxifraga burseriana major, S. Salomonii and Cyclamen were noted.

Mr. Charles Turner, Slough, staged a group of the unusually attractive Selaginella watsoniana, the nearly foot-high examples with much-silvered tips being highly ornamental.

Mr. G. W. Miller, Wisbech, had a considerable gathering of Iris stylosa and its white variety, two of the most precious of winter flowers. Primroses, Daisies, Snowdrops and Christmas Roses were freely shown.

Mr. Vernon T. Hill, Longford, Bristol, had groupings of the earlier Saxifragas, those of the S. apiculata and S. burseriana sets more particularly. Hardy Heaths, Shortia and the bronze-leaved Mitella diphylla were noted.

Messrs. Whitelegg and Page, Chiselhurst, showed a group of Echeveria glauca x E. metallica, with tall spikes of reddish scarlet flowers. It is virtually a glorified E. glauca.

Messrs. William Cutbush and Sons, Highgate, N., secured a silver Flora medal for Carnations, alpine and flowering shrubs, the latter comprising Staphylea, Magnolia in variety, Prunus, Lilac, Wistaria and Azalea, and occupying a full-length table. Carnations were finely shown and in some variety, Carola, Gorgeous and Mrs. L. D. Fuller being noted. Among hardy flowers the early Irises were the most charming, I. sind-pers, I. reticulata Krelagei and I. sindjarensis being very fine.

Messrs. Wills and Segar, South Kensington, S.W., had a table of greenhouse flowering plants and Palms, three handsome specimens of Cocos Roebelinii attracting much attention. Cyclamen in crimson and white and Boronia megastigma were also noted in good condition. Bronze Banksian medal.

Mr. Clarence Elliott, Stevenage, had a particularly fine grouping of some 200 or so well-flowered Saxifraga burseriana in two distinct forms, one as large as Gloria, with crenulated petals, the other a more solid-looking flower with nearly smooth-edged petals. The twain are high class and good. The finest-grown Iris reticulata we have seen for a long time were in this group. Soldanellas were quite charming. Silver Banksian medal.

Messrs. H. B. May and Sons, Edmonton, arranged a floor group of flowering and decorative plants, the central figure of which was a fine batch of Calla alocasiæfolia, a plant characterised by dwarfness and freedom of flowering. Azaleas afforded both colour and variety. Boronia megastigma (fragrant) was also shown. Ferns and Palms played a part in garnishing the whole. Silver Banksian medal.

Messrs. T. S. Ware, Limited, Feltham, had an extensive arrangement of alpine and allied plants. Some of the Saxifragas, e.g., Grisebachii, were very beautiful and of a particularly good type, while single and double Adonis amurensis, Saxifraga apiculata alba, pink Hepaticas, Iris stylosa in variety, and Lenten Roses added variety and beauty. Prostanthera rotundifolia—not hardy we believe—with rosy red flowers and fragrant leaves, was also noted. Bronze Banksian medal.

Messrs. Stuart Low and Co., Enfield, showed Carnations, Cyclamen and Acacias, the former including such as Gorgeous, Philadelphia (pink), Mrs. C. F. Raphael and Mary Allwood. The Cyclamen were very fine. Bronze Flora medal.

Mr. L. R. Russell, Richmond, had a mixed group of forced and unforced shrubs, the former chiefly Azaleas of the mollis and indica sections, with Wistaria, Lilac and others; the latter of the berry-bearing class, Aucuba and Skimmia. Silver Banksian medal.

## FRUIT AND VEGETABLE COMMITTEE.

Mrs. E. H. Denison, Little Gaddesden, Berkhamsted (gardener, Mr. A. G. Gentle), was the only exhibitor of vegetables, well-cultivated Carrots in many varieties being staged. Of these we noted Imperial Early Horn, Early Short Horn, Summer Favourite, Golden Ball, Long Scarlet, Long Forcing, Scarlet Round, French Horn, Scarlet Perfection, Scarlet Altrincham and Nantes. Only rarely is such a collection seen in such good condition. Silver Banksian medal.

The only other exhibit of interest before this committee was that of late-keeping Apples to test cooking (baking) qualities. Some twenty-three varieties were tested in this way, the result being that Wellington (Dumelow's Seedling) easily topped the list. Doubtless a like result would be obtained if a series of tests were continued till April. We were rather surprised to see the poor condition of Alfriston, which we know to be good quite late. We presume the test was primarily for flavour, and a more or less detailed report of the test would interest many. Edward VII. had a particularly good-looking flesh, which cannot be said of all.

## ORCHID COMMITTEE.

Present: J. Gurney Fowler, Esq. (chairman), Sir Jeremiah Colman, Sir Harry J. Veitch, and Messrs. J. O'Brien, de B. Crawshaw, R. B. White, Gurney Wilson, W. Bolton, S. W. Flory, W. H. White, H. G. Alexander, J. E. Shill, J. Cypher, W. H. Hatcher, C. H. Curtis, J. Charlesworth, W. Cobb, Pantia Ralli, R. G. Thwaites, A. McBean, F. J. Hanbury, J. Wilson Potter, Stuart H. Low and R. A. Rolfe.

Sir Jeremiah Colman sent from Gatton Park, Reigate, a very fine lot of Cymbidiums, of which Lady Colman (golden), Lowii grandiflorum (golden green, crimson blotched lip), Queen of Gatton in three or more colour shades, gattonensis, aureum, and grandiflorum (green sepals, with crimson-spotted lip) were included. Anguloa Cliftonii (rich yellow) was also in good flower. Silver Flora medal.

Messrs. J. and A. McBean, Cooksbridge, had good specimens of Cymbidium Schlegelii (rose), C. gottianum (palest pink), C. Alexandri (full cream pink flushed sepals), Lælia anceps schroderiana, together with Odontiodas and Odontoglossums. Silver Banksian medal.

Messrs. Stuart Low and Co., Jarvisbrook, Sussex, had the fine Odontoglossum Euterpe, O. Aireworthii, Odontioda Doris, Sophro-Cattleya Blackii (rosy carmine), Cattleya percivaliana alba and Oncidium splendidum. Silver Banksian medal.

Messrs. Charlesworth and Co., Hayward's Heath, had the fine white Odontoglossum armainvillieriensis Xanthotes, Brasso-Cattleya Joan (orange salmon), Odontoglossum Dora (white), Odontioda Langowoyi, Odontoglossum ardentissimum (white, heavily blotched chocolate), and Cœlogyne sparsa, with maroon-coloured sepals and pronounced white lip. Silver Flora medal.

Messrs. Sander and Sons, St. Albans, staged Dendrobium findlayanum, the fragrant Dendrochilum glumaceum, Phalanopsis stuartiana, Cœlogyne flaccida, Cattleya Octave Doin, together with Odontoglossum crispum in variety and O. macnabianum. Silver Banksian medal.

## CHELMSFORD AND DISTRICT GARDENERS' ASSOCIATION.

THE ninth meeting of the winter session was held in the East Anglian Institute of Agriculture on Friday, the 19th inst. The president, Mr. E. H. Christy, presided over about thirty members. Mr. Bullock of the Institute gave a most interesting lecture on "Ferns." In the course of his remarks he dealt with the following points: Habits of growth, soil, potting, watering, shading and ventilation. Time was also devoted to the subject of "Ferns in Dwelling-houses," the lecturer explaining the causes of so many failures, and emphasising the selection of suitable plants for this work. Propagation, which is an interesting subject when dealing with Ferns, was fully explained. At the conclusion of the discussion a hearty vote of thanks was accorded the lecturer.

## THE NATIONAL HARDY PLANT SOCIETY.

THE annual general meeting was held on Tuesday, February 16, in the Committee Room, Royal Horticultural Hall. The secretary's report and the treasurer's balance-sheet were well received. During the year a show was held in London, a deputation was sent to Market Bosworth Show, and the gardens of Aldenham House, Elstree, were visited by a party of members and friends, who found the outing both enjoyable and instructive. Owing to the war the society were obliged to curtail their activities during the latter part of the year; but, circumstances considered, it is felt that progress has been satisfactory. A balance of about £50 stands to the credit of the society. Arrangements are being made to hold a show in conjunction with the Market Bosworth Agricultural and Horticultural Society on Thursday, August 5. A schedule of classes will appear in the Society's Year Book, to be published shortly. Mr. Frank Bonsell was elected chairman; Mr. R. Pinches, treasurer; and Mr. A. J. Macself, secretary.

## Assistant Superintendent for Glasgow Parks.

The question of appointing an assistant superintendent of the Glasgow parks, under Mr. James Whitton, V.M.H., the able and energetic superintendent, which has been under consideration for some time, has been decided by the parks committee. The committee has made the recommendation that an assistant superintendent of parks be appointed at a commencing salary of £250.

## CATALOGUES RECEIVED.

Messrs. V. Lemoine and Son, Nurseries, Rue du Montet, 136-142, Nancy, France: Plants.  
Messrs. J. Cheal and Sons, Limited, The Nurseries, Crawley, Sussex: Dahlias.  
Messrs. Blackmore and Langdon, Twerton Hill Nursery, Bath: Begonias, Carnations, Delphiniums, &c.  
Messrs. Cooper, Taber and Co., Limited, 90 and 92, Southwark Street, London, S.E.: Seeds.  
Messrs. Sutton and Sons, seedsmen, Reading: Farmers' Year Book.  
Messrs. J. Forbes (Hawick), Limited, Hawick, Scotland: Plants and Seeds.  
Messrs. H. Cannell and Sons, The Nurseries, Eynsford, Kent: Seed and Plant Guide.  
Messrs. Carter Page and Co., 52 and 53, London Wall, E.C.: Seeds, Plants, Bulbs, Trees.  
Messrs. E. H. Krelage and Son, Haarlem, Holland: Plants.

\* \* The Yearly Subscription to THE GARDEN is: Inland, 6s. 6d.; Foreign, 8s. 9d.





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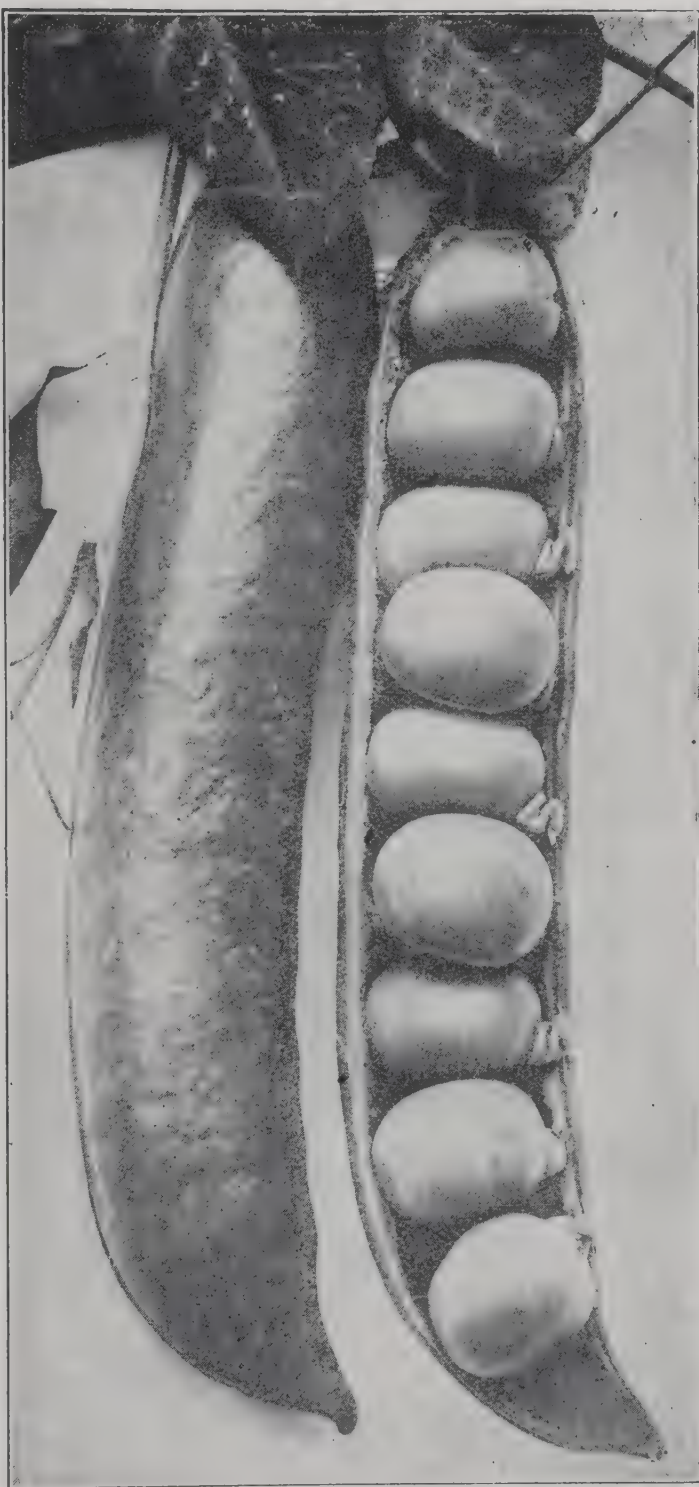
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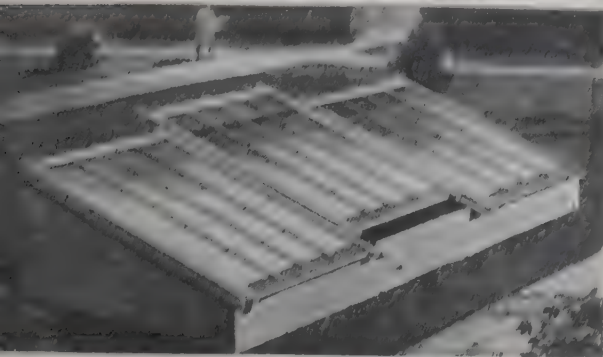
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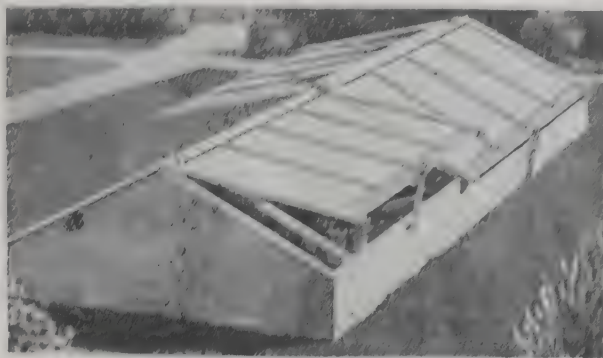
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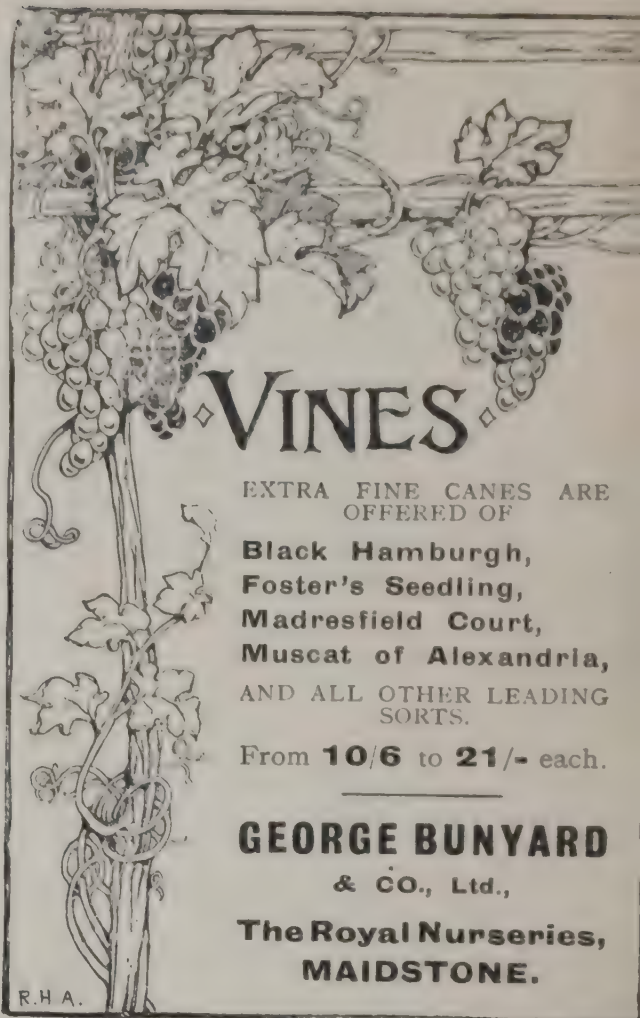
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Edu Meyer, red and yellow .. 8d.  
Grace Darling, cream .. 6d.  
Gruss an Teplitz, crimson .. 6d.  
Killarney, fine pink .. 8d.  
King George V., crimson .. 1/-

Rambler Roses "3."  
6 Splendid 3/9 carriage  
Climbers paid.  
Six tip-top climbers for wall or  
arch, will give a fine succession  
of bloom.  
Blush Rambler, apple-blossom  
pink .. 9d.  
Coronation R., red and white .. 1/-  
Crimson Rambler, gorgeous .. 6d.  
Delight, bright carmine .. 9d.  
Dorothy Dennison, shell pink .. 9d.  
Paul's Carmine Pillar, brilliant  
carmine, splendid climbing single  
Hybrid Tea .. 9d.

Sweet Briar & Moss Roses.  
Collection 5/- carriage  
No. 4. paid.  
12 Bushes, 8 new named Hybrid Sweet  
Briars, various, 1 Copper, 1 Persian, and  
2 Moss Roses, separate .. 6d. each

Tea Roses "C."  
12 N.R.S. 8/6 carriage  
Selection paid.  
Tea Roses are famous for their  
perfume. These are 12 of the best,  
and will produce plenty of flowers  
in the autumn.  
A. H. Gray, lemon .. 1/-  
Mme. C. Soupert, yellow .. 8d.  
J. Graveraux, rosy .. 9d.  
Hoste, lemon .. 8d.  
Miss Rothschild, citron .. 1/-  
M. S. Crawford, white .. 8d.  
Mrs. E. Mawley, pink .. 8d.  
F. Hobbs, ivory .. 1/-  
H. Stevens, white .. 8d.  
M. Kennedy, cream .. 9d.  
Nita Weldon, ivory .. 8d.  
Souv. Notting, apricot .. 8d.

Fragrant Roses "D."  
12 N.R.S. 6/- carriage  
Selection paid.  
The Hybrid Perpetual fragrance  
is considered to constitute highest  
excellence in rose perfume. It is  
present here in abundance.  
Abel Carriere, crimson .. 6d.  
Alfred Colomb, red .. 6d.  
Avoca, scarlet .. 8d.  
Chas. Lefebvre, velvety-red .. 6d.  
Dupuy Jamin, cerise .. 6d.  
Gen. Jacqueminot, crimson .. 6d.  
General McArthur, crimson .. 8d.  
Johanna Sebus, cerise .. 9d.  
La France, rose .. 6d.  
Mrs J. Laing, rosy-pink .. 6d.  
Ulrich Brunner, cherry-red .. 6d.  
Visc. Folkestone, cream .. 6d.

Town Roses "E."  
12 N.R.S. 6/6 carriage  
Selection paid.  
Some roses don't do well in  
Towns, some do. This Collection  
has been tried, and results warrant  
heartly recommendation.  
C. Testout, salmon-pink .. 6d.  
C. F. Meyer, silvery-rose .. 8d.  
Dr. Brown, carmine .. 8d.  
Gloire de Dijon, buff-yellow .. 9d.  
G. Grunerwald, carmine .. 8d.  
Hugh Dickson, crimson .. 6d.  
J. B. Clark, deep scarlet .. 8d.  
La Tosca, salmon-flesh .. 8d.  
M. A. Chatenay, salmon-pink .. 6d.  
Mrs. Ravary, orange-yellow .. 6d.  
Mrs. J. Laing, rose-pink .. 6d.  
Ulrich Brunner, cherry-red .. 6d.

Button-hole Roses "F."  
12 N.R.S. 8/- carriage  
Selection paid.  
There is nothing nicer than a  
sweet rose bud for a buttonhole,  
and every one of these is a gem in  
fragrance and form.  
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Lady Hillingdon, apricot .. 8d.  
Lady Roberts, red-apricot .. 8d.  
Liberty, velvety crimson .. 6d.  
M. A. Chatenay, salmon-pink .. 6d.  
M. Jean Dupuy, golden .. 8d.  
M. J. Gro ez, bright rose .. 6d.  
Mrs. A. Ward, yellow .. 8d.  
Mrs. H. Stevens, white .. 8d.  
Rayon d'Or, sunflower gold .. 1/-  
Richmond, scarlet .. 8d.  
W. A. Richardson, orange .. 9d.

Bedding Roses "J."  
12 N.R.S. 7/- carriage  
Selection paid.  
In the entire range of roses you  
could not find a better twelve for  
garden display—free and long lived.  
Antoine Rivoire, pale cream .. 8d.  
Caroline Testout, salmon .. 6d.  
Lady Ashtown, Rose du Barri .. 8d.  
Lyon, shrimp pink .. 8d.  
M. A. Chatenay, salmon-pink .. 6d.  
M. M. Soupert, sunset yellow .. 8d.  
M. Ravary, orange .. 6d.  
Pharisaer, rosy white .. 8d.  
Rayon d'Or, sunflower yellow .. 1/-  
Richmond, scarlet .. 8d.  
Souv. de M. Zayas, carmine .. 6d.  
Sunburst, cadmium yellow .. 1/-

All Round Roses "K."  
Bees' Test 5/6 carriage  
Collection paid.  
For all purposes a useful 12 where  
cut blooms, buttonholes, fragrance,  
colour, beauty of form and general  
utility is desired.  
Betty, coppery-rose .. 8d.  
Captain Hayward, scarlet .. 6d.  
Caroline Testout, salmon-pink .. 6d.  
Fisher Holmes, crimson .. 6d.  
F. K. Druschki, white .. 6d.  
Hugh Dickson, crimson .. 6d.  
Lady A. Stanley, silvery flesh .. 8d.  
Lady Ashtown, deep pink .. 6d.  
Lyon, shrimp pink .. 8d.  
M. A. Chatenay, salmon-pink .. 6d.  
M. Ravary, orange-yellow .. 6d.  
Mrs. J. Laing, rose-pink .. 6d.

Hardy Flowering Plants.

These are perennial, increasing in size and beauty year after year.  
All strong, well-rooted specimens which will flower well this year.

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plants, 3d. on rail.  
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Queen Charlotte Anemone, pink  
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Blue Perennial Cornflower  
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Michaelmas Daisy Gollath, rose  
Sea Holly, steely blue  
Florentine Iris, white  
Crimson Catchfly Campion  
Orange Oriental Poppy  
Purple Bergamot, fine  
Single Scarlet Pyrethrum

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Downy Yarrow, golden yellow  
Marshall's Aubrietia, purple  
Little Gem Bellflower, white  
Pink Rock Rose  
Maid-n Pink Dianthus  
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Greek Heron's Bill, pink  
Lavender Cat Mint  
Rosy Evening Primrose  
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Golden Lemon Thyme  
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12 fine 5/6 packed free  
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All handsome, suitable for town  
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Hardy Crimson Fuchsia .. 6d.  
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The Gladiolus is the most satisfactory, the most desirable, and the most popular of all garden bulbs. Nothing else of the kind costs so little, and nothing else grows so readily for anybody and everybody, in any soil or climate. It is, in short, the most satisfactory garden flower, thriving and blooming, as it does, with the least care and attention, and makes a display which for brilliancy and beauty of colouring can equal and none surpass. The Gladiolus is to the flower garden what the staff of life is to the man, "The staff of life."

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The quality of these magnificent Hybrid Gladiolus has, by great care and selection, been immensely improved, and the Golden Valley mixture will be a great advance in size of spikes, substance, freedom of growth; and the many new shades and splendours that will appear among them—far more beautiful and intensely deep rich colours than anything that has hitherto been seen in the finest Gladioli.

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Extract from "GARDEN LIFE":—"There is an extra fine sort, known as the Golden Valley strain, which reaches the height of four or five feet, and which bears spikes of bloom two feet in length, the individual flowers frequently measuring seven to nine inches. The new and improved hybrids possess the further merit that they are very free-flowering, of intensely rich and brilliant colours."



Photo.] PÆONY QUEEN VICTORIA. [Merrett Bros., Stroud.

### VERY BEST TIME TO PLANT PÆONIES.

**GIANT FLOWERING JAPANESE AND CHINESE PÆONIES.**—Truly glorious, beyond description. The most magnificent of all Hardy Plants. The fragrance of these new varieties creeps into the senses, soothes, delights, refreshes. The charm lingers in the memory long after the perfume has stolen away. Double Herbaceous Pæonies are the most magnificent of all hardy herbaceous plants; they are immense in size, gorgeous in colour, yet without of exquisite delicacy, and of indescribable beauty. Much that has been said of the Rose by poets of all ages might with equal truth be addressed to these truly noble flowers. A place should be found for Pæonies in every garden in one form or other; they will decorate beds and borders, terrace walks and drives, and they are now so cheap they should find a place in copse and woodland, in wild garden and shrubbery; in fact, wherever flowers may beautify garden or landscape, Pæonies will contribute their quota to the general effect. The flowers are deliciously fragrant, and freely produced, averaging 8 in. to 10 in. across, in colours of vivid scarlet, pale pink, white, deep purple, crimson, lavender, etc. They are perfectly hardy. Their culture is of the simplest; and good garden soil will suit them, though it is advisable to plant where they may remain for years undisturbed. A top-dressing of good old manure applied every spring after they have commenced to grow will meet their requirements, and they will increase in size and magnificence year after year.

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**CRIMSON RUNA.**—Delightful shade of shrimp-pink, exceedingly fragrant, deliciously fragrant, very free-flowering; truly glorious Pæony. 1/6 each; 3 for 4/-; 6 for 7/6; 12 for 14/-.

**JAPANESE TREE PÆONIES.**—The Glory of Japan. Produce 200 Blossoms on one Tree. Huge blossoms of magnificent lustre and texture, often 10 in. to 12 in. across; suitable for greenhouse, but quite hardy for outdoors. Should be planted at once, as they flower early in spring. There is a charm more rare and a charm more fascinating about the Tree Pæonies than can be described on paper. 3/- each; 3 for 7/6.

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**DELICIOUS, DOUBLE, FRAGRANT SYRINGA.**—Grows anywhere. Grand Trees, full of buds. 3 for 1/9; 6, 2/9.

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### SPECIAL DIRECT IMPORTATIONS OF GIANT FRENCH ANEMONES.

—A grand new strain, entirely eclipsing all other Anemones. The colours are most superb, through all the charming shades of heliotrope, mauve, blue, and purple, also white to deep rich crimson; blooms often 4 in. to 5 in. across. Perfectly hardy. Will be planted by millions when known. The one certain flower that will make the garden glorious in spring. 25 for 1/3; 50 for 2/3; 100 for 4/-; 250 for 8/6, post free. A lady customer writes from Torquay thus: "I have grown most kinds of Anemones for fifteen years, but never saw any so beautiful, or had such a fine show as the Giant French Anemones, purchased from you." Mrs. Card, Bognor, writing November 8th, says: "The Giant French Anemones I had from you have been splendid last spring and summer, and are now coming up again." C. Nunn, Esq., Southampton, writes, October 13th: "Please send me 200 Giant French Anemones. I was so pleased with them last year. I am planting two large beds this season."

**NEW PERENNIAL PHLOXES.**—Those who remember the thin-petalled white and dull-hued purple Perennial Phlox of old-fashioned gardens can scarcely recognise these new Phloxes as the same flowers. These new varieties are in bloom from June until frost, and the individual florets are twice the size of the old-time Phlox, and the shades of colour are brighter, richest, and clearest. There are no finer or more useful biennial than the Perennial Phloxes, or which will give more complete satisfaction; all are sweet-scented, dwarf in habit, compact in truss, and have large—many of them abnormally large—flowers, some exceeding in size a five-shilling piece. 6 for 2/-; 12 for 3/3; 24 for 6/-.

**THE REAL OLD-FASHIONED TRUE SPICE-SCENTED CARNATION.**—Crimson Clove (deep rich glowing crimson). These are very hardy, and do well anywhere, especially in smoky town gardens, where the less robust varieties refuse to grow. These are strong plants, that will be a mass of bloom this season, and warranted the true old spice-scented variety. 6 for 2/-; 12 for 3/6; 25 for 6/6.

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**GIANT ORIENTAL POPPIES.**—To produce a grand bold, and striking effect, plant some of my giant perennial Poppies. Monster blossoms of the most beautiful formation; they will attract the attention and admiration of all who see them. To produce a grand and telling effect at a trifling cost, nothing can equal these lovely Poppies; will increase, and last for years. 6 for 1/3; 12 for 2/3.

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**CLEMATIS DAVIDIANA.**—A lovely species of Japanese Blush Clematis, yielding huge panicles of heliotrope-blue flowers, deliciously fragrant, like hyacinths. It is very hardy, and thrives in any soil or situation. Fine plants, two years old. 2 for 1/9; 4 for 3/-; 6 for 4/-.

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**AGAPANTHUS (The Blue African Lily).**—The only real blue Lily in the world. It is a rapid grower, and increases in size and beauty every year. With the most ordinary kind of care it will last for ever. 2 for 1/6; 4 for 2/9; 6 for 3/6.

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**THE LOGANBERRY.**—The grandest of recent introductions, a cross between a Blackberry and a Raspberry. Hardy, vigorous grower. Fruit large and most delicious. Will be in every garden later. Owing to great demand, stock very limited. 2 for 2/6; 6 for 6/-.

**RATHBUN BLACKBERRY (New American Giant).**—This fruit is very large and handsome, intense black, with a very high polish, and without any hard core, juicy, highly flavoured; of so superior a quality that it is in a class by itself. Those accustomed to the old varieties would scarcely recognise it for a Blackberry. 3, 2/6; 6, 4/-; 12, 7/6.

**BLACK CURRANTS, BOSKOOP GIANT (New).**—This is the finest and largest Black Currant in cultivation. The fruit is of great size, splendid quality and flavour, and the plant is a most abundant bearer. Even young plants are literally covered with huge bunches of fruit almost as large as Grapes. 4/- per doz. Smaller trees, 3/- doz.

**SPECIAL FRUIT COLLECTION.**—2 Dessert Apples, 2 Dessert Pears, 2 Dessert Plums. All two-year-old trees, healthy, well-grown. The 6 trees for 5/-, free on rail.

**ST. ANTOINE DE PADOUÉ.**—A new race of large, fruiting, perpetual-bearing Strawberry. This Strawberry has proved to be ahead of all other perpetuals. It is the desired cross between St. Joseph and Royal Sovereign, the flavour is delicious, and promises to be grown by the acre when sufficient plants can be raised. It is a compact, vigorous grower, flower stocks are strong and erect, rising well above the foliage. Fruit wedge-shaped, dark red, and firm flesh. Gained First-class Certificate from the National Horticultural Society in France, from whence we have had it imported into this country. It was the first of all Strawberries this season to give ripe fruit, and I had a continual crop of splendid ripe fruit till first week in November. Special low price for this grand novelty, 2/- per doz.; 50, 7/6; 100, 14/-.

**RASPBERRY SUPERLATIVE.**—It gained a First-class Certificate at the Crystal Palace Show, and First-class Certificate at the Royal Horticultural Society. This Raspberry is growing more in favour every year, and it seems to stand drought better than any other. The fruit is very large, and an abundant bearer, and good for dessert. 2/6 per doz.; 25 for 4/-; 50 for 6/-; 100 for 11/-.

### GREENHOUSE AND WINDOW GEMS.

**THE SUPERB NEW MALMAISON OR TREE CARNATION, PRINCESS OF WALES.**—Immense blossoms of faultless beauty. Colour a rich brilliant pink, and perfumes the whole atmosphere with its delicious fragrance. All should grow a few of this Queen of Malmaisons. Pot now. 1/6 each; 2 for 2/6; 4 for 4/6; 6 for 6/-.

**DRACÆNA INDIVISA.**—Lovely Palm-like foliage, always green and beautiful; ideal room plant; easy to grow. Fine specimen plants, 2 for 2/6.

**NEW AZALEA INDICA. "Sweetheart," or Tom Thumb.**—Very dwarf and compact; the plants are literally smothered in blossom of the richest dazzling crimson, unequalled for window and greenhouse decoration, and almost hardy. Fine plants, full of buds, 1/6 each; 3 for 4/-.

**MAGNIFICENT TEA ROSES** for the greenhouses, all hardy, grown in the open, never under glass, therefore certain to do well and flower abundantly when potted up or planted in greenhouse border. My pet selection. Contains six that are indescribably beautiful in colour and formation of bud. 3 for 2/6; the 6 for 4/6; 12 for 8/-.

**CANTERBURY BELLS.**—The new Pink Beauty, a delightful new shade of rose. All have been charmed who have grown this lovely Canterbury Bell. 6 for 1/3; 12 for 2/3; 25, 4/-.

See page v. last week for a grand selection of Rose Trees, grand Bush and Standard Trees. VERY CHEAP. All lovely hardy Speciosum Lilies, to plant now.

Catalogue of all the good things to make your garden and greenhouse gay. Everything packed free and carriage paid.

MRS. GARDNER, F.R.H.S., PRIORY HOUSE, STROUD.



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CAULIFLOWER, Covent Garden Early London ...	"	6d
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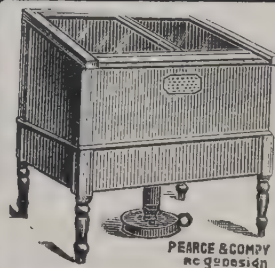
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## PERPETUAL FLOWERING CARNATIONS IN THE GARDEN.

**A**LTHOUGH the winter, or perpetual, flowering Carnation has long been grown in America, it is only during recent years that its value for giving cut flowers during the winter months has been fully recognised in this country. The long, graceful stems, the delicate colours, and in some cases Clove-like fragrance of the flowers, are most welcome in the house. Of course, to obtain flowers during the winter months the plants must be grown in a greenhouse; but it is not to this phase of their culture that attention is now directed, but rather to the value of the plant for the open garden during the summer and autumn. Experiments made by the writer and others in various parts of the country prove that the plants succeed admirably outdoors except in the coldest districts. This may seem unimportant at first, especially to those who have not given the culture of the ordinary border or garden Carnations serious attention. Those who have grown the ordinary type, however, will know but too well that their season of flowering is confined to only a few weeks, usually the latter half of July and the first week in August. For the remainder of the year flowers may be looked for in vain. The perpetual Carnations, however, though their flowers are not, perhaps, so refined as those of the ordinary garden varieties, will give an abundance from early June until severe frosts in October. To ensure this succession, however, it is necessary to select plants of a proper size and those which will thrive most vigorously in the open.

Early in May is the best time to put out the plants, which should be strong and in 5-inch pots. Plants of this size will, or ought to, have plump flower-buds, which will, in due course, open and so provide the earliest flowers. Where plants for the open are purchased from a nurseryman, it will be necessary to indicate for what purpose they are required, as then plants that have been properly inured will be supplied. The soil in which to plant these or, indeed, any Carnations should be well dug and broken up finely, adding some old mortar, as this is much appreciated by these plants. Make the soil firm round the roots, as this is essential to success.

For filling lawn beds where a bold display is desired, this race of Carnations should prove most valuable and would provide a welcome change from ordinary bedding plants, one colour only being used in a bed. The single drawback is that the rather tall shoots are easily broken, and for this reason one cannot advocate the use of these plants in places that are exposed to strong winds. This difficulty can, of course, be overcome to a great extent by neat and frequent staking and tying, but a sheltered position should be selected if possible. In the London district the writer gathered, early in December, two flowers from a plant which had been flowering freely throughout the summer and autumn, notwithstanding that severe frosts had been experienced a short time previously.

Although the culture of these Carnations outdoors is as yet in an experimental stage, sufficient trials have been made to justify one in recommending others to grow them in this way. The following may be relied upon to do well: Britannia, bright scarlet, and the best of all for

outdoor culture; Mrs. H. Burnett, soft salmon pink; Winsor, bright rose pink; White Perfection; Harlowarden, deep crimson; Enchantress, soft pink; and Nelson Fisher, bright rose. H.

## EDITORIAL NOTICES.

Every department of horticulture is represented in THE GARDEN, and the Editor invites readers to send in questions relating to matters upon which they wish expert advice.

The Editor welcomes photographs, articles and notes, but he will not be responsible for their safe return. All reasonable care, however, will be taken, and where stamps are enclosed, he will endeavour to return non-accepted contributions.

As regards photographs, if payment be desired, the Editor asks that the price required for reproduction be plainly stated. It must be distinctly understood that only the actual photographer or owner of the copyright will be treated with.

The Editor will not be responsible for the return of artistic or literary contributions which he may not be able to use, and the receipt of a proof must not be taken as evidence that an article is accepted. Publication in THE GARDEN will alone be recognised as acceptance.

Offices: 20, Tavistock Street, Covent Garden, W.C.

## ANSWERS TO CORRESPONDENTS.

### RULES FOR CORRESPONDENTS.

**QUESTIONS AND ANSWERS.**—The Editor endeavours to make THE GARDEN helpful to all readers who desire assistance, no matter what the branch of gardening may be, and with that object makes a special feature of the "Answers to Correspondents" columns. All communications should be clearly and concisely written on one side of the paper only, and addressed to the EDITOR of THE GARDEN, 20, Tavistock Street, Covent Garden, London, W.C. The name and address of the sender are required in addition to any designation he may desire to be used in the paper. When more than one query is sent, each should be on a separate piece of paper. Plants for naming should be clearly numbered and securely packed in damp grass or moss, not cotton-wool, and flowering shoots, where possible, should be sent. It is useless to send small scraps that are not characteristic of the plant. Letters on business should be sent to the PUBLISHER.

### FLOWER GARDEN.

**INFORMATION ABOUT IRISES (Iris).**—Irises germanica, amena, neglecta, pallida, squalens, variegata aurea and all their numerous progeny go, with others, to make up the great Flag section of the race, and are among the easiest to grow and increase, not a few of them spreading out into huge mats of growth. March is an excellent planting season for the whole of these. I. japonica is not hardy enough to do much good in the open, and should be greenhouse grown. It is then quite a free-growing species. I. unguicularis (stylata) should be grown in a warm and sheltered spot at the foot of a south wall or in any warm position. It prefers light, warm, poor and limy soils and firm planting. I. cretensis is virtually an inferior form of it. I. sibirica in all its forms is among the freest growers in any rich soil; loves moisture. I. tectorum, the Wall or Roof Iris, is a warmth-loving plant, free in growth when in health, but slugs are exceedingly partial to it. Try it with I. unguicularis. I. Kämpferi (laevigata) luxuriates in fat, rich vegetable soils with little or no lime. Prefers abundant moisture when in growth. Excellent for special culture. I. cuprea, a plant of lesser freedom and vigour, might be similarly treated. We know of no September or October flowering Iris. I. alata (Scorpion Iris) is easily flowered in November and December, and from that time to the end of July the Iris provides an almost continuous succession of flowers.

**IRIS STYLOSA AND LILIUM GIGANTEUM (M. F. A.).**—The Iris need not be disturbed so long as health is maintained with good flowering. Deterioration of either or both of these would be a much better sign than "matted roots"; a good indication of health. In such favoured parts as South Devon, Ryde and places akin, the plant makes big tufts in the ordinary border, and requires more frequent attention to division than in other less favoured places. In the former we should be inclined to divide the plants every three years or so, while taking the above-named indications as the guiding principle. The Lily is not fastidious as to soil; we have, indeed, grown and flowered it well in strong loams containing much lime, though for preference we lean to loam, leaf-mould and peat in equal parts, with very liberal manuring. The species is also very much at home in sandy peat and heath-like soils when these are of considerable depth; hence, as we say, it is not fastidious. The great secret of success, apart from soils, is the planting of half-grown bulbs, so that three years or so have to pass to enable the plants to become established before flowering. Planting the biggest bulbs obtainable is a delusion and a snare, and invariably ends in disappointment.

**TULIPS FOR INSPECTION (J. Bell).**—The Tulips are not suffering from the attack of any insect or fungus, but from some check, such as too rapid forcing, drying at a critical period, or overwatering (though we do not think the last can have operated). The bulbs are perfectly healthy and the flowers fully formed, but killed when they were about half grown.

**VIOLETS FOR INSPECTION (G. F.).**—We have made a careful examination of the Violets, and can find no trace of either insects or fungi upon them. Has anything been used for spraying them that could have burned the foliage in the way the specimens you send show?

### TREES AND SHRUBS.

**PLANT FOR WALL (Miss E. B.).**—It would be advisable to use an ordinary shrubby plant to train to your wall rather than a typical climber. Either of the following would be appropriate: Pyracantha (Cotoneaster) angustifolia, evergreen leaves, white flowers in May, orange fruits in the winter; P. coccinea (Crataegus Pyracantha), evergreen leaves, white flowers in May, scarlet fruits in the autumn; and Ceanothus rigidus, evergreen leaves, blue flowers in April.

**PLANTS FOR WALL (M. M. K. C.).**—The following plants would be likely to give good results if planted against your warm wall in Warwickshire. They are not strictly climbers in every case, but grow well on walls: Ceanothus rigidus, C. veitchianus, Jasminum nudiflorum, Solanum jasminoides, Tecoma grandiflora, Pyracantha angustifolia, Viburnum macrocephalum, Escallonia macrantha and Myrtus communis.

**MYRTLE NOT FLOWERING (A.).**—The Myrtle sent for examination is Myrtus communis tarentina. Flowers are produced towards the end of July or in August on the current year's wood, therefore there should be no summer pruning. Any necessary pruning should be done now and good growth encouraged. Feeding will do good during the period of growth.

### THE GREENHOUSE.

**INFORMATION ABOUT ACACIAS (L. J. Q. U. V.).**—When Acacias, or Mimosas as they are often called, are planted out in a greenhouse or elsewhere, they cannot, obviously, be placed out of doors for the summer. In such cases abundance of ventilation should be provided during day and night, and if the lights can be removed from the house, so much the better, although not absolutely necessary. They must not be heavily shaded, even when exposed to the south, and in north-east and west exposures shading is usually unnecessary. Plants can be procured from Messrs. Stuart Low and Co., nurserymen, Enfield, Middlesex; Messrs. R. Veitch and Son, nurserymen, Exeter, Devonshire; or Messrs. Dicksons, Limited, nurserymen, Chester.

**CAMPANULA NOT THRIVING (H. M. B.).**—Something has attacked the roots of your plants, possibly eelworms; but they are too far gone to enable us to be certain that these were the primary cause of the trouble. We recommend you to sterilise the soil thoroughly before attempting to grow these plants again, and to cleanse the pots by scrubbing with hot water and carbolic soft soap.

### MISCELLANEOUS.

**NAME OF PLANT.**—Nynehead.—Cotoneaster microphylla.

**NAMES OF FRUIT.**—Constant Reader, Hants.—1, Jolly Beggar; 2, Lane's Prince Albert; 3, Striped Beaufin; 4, King of the Pippins; 5, Queen Caroline; 6, Hawthornden.—Mrs. Nicholson.—Lane's Prince Albert.—J. P.—The Apple is Newton Wonder.

### SOCIETIES.

#### DUMFRIES AND GALLOWAY GARDENERS' ASSOCIATION.

THERE was a fair attendance at the usual meeting of the above association, held in the Wesley Hall, Buccleuch Street, Dumfries, Mr. S. Arnott in the chair. The evening was a "question night," the questions being written by the members present and drawn by the chairman for reply by any members who were prepared to discuss the subject. A capital evening was passed, the questions being interesting and the replies informative. A large proportion of the members took part in the discussion, which included such subjects as the best time to sow Sweet Peas in the South of Scotland; the best Astilbes; the best early, midseason and late culinary Peas; the reason for cutting down Potato shaws before they were ripe; the best protection of large fields of Potatoes from frost; and the best herbaceous plants for early August bloom.

#### DUMFRIES AND DISTRICT HORTICULTURAL SOCIETY.

A MEETING of the committee of this society was held in the Wesley Hall, Dumfries, on February 24, to consider the desirability of holding a show this year, the general meeting having remitted the question to the committee for decision, in view of the war. After a full expression of opinion, it was unanimously agreed to hold a show about the end of August, and a remit was made to a sub-committee to draw up a modified schedule to be submitted to another meeting. It was also agreed that a certain proportion of the takings at the door be given to war relief funds. The decision to hold the show is welcomed by many exhibitors in the district, especially as few of the smaller local societies will hold their exhibitions this year.



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**DALBEATTIE HORTICULTURAL SOCIETY.**

THE annual general meeting of this society was held in the Town Hall, Dalbeattie, on the evening of February 19. The chair was occupied by the president, the Rev. Dr. Frew, Urr Manse. The report of the treasurer showed that, owing to the reduction in the subscriptions caused by the war, there was a deficiency of £1 13s. 3d. The president stated that the committee had thought it desirable to proceed with last year's show, as the schedules had been issued and the members had made ready for the competition, and he considered the results were gratifying. The acting secretary, Mr. J. E. Milligan, said that he expected the deficiency would be cleared off by the receipt of some subscriptions not yet paid. It was resolved that no show be held this year, but that a sale of flowers, fruit, &c., be organised for a date in August. A committee was appointed to organise this show, and last year's office-bearers were reappointed.

**WARGRAVE AND DISTRICT GARDENERS' ASSOCIATION.**

AT the meeting of the above association on February 24, a very interesting and educational paper was given by Mr. H. Richardson, manager of Messrs. Waterer, Sons and Crisp's Plant Farm at Hare Hatch, Twyford, Berks, on "Some Points in the Pruning and Cultivation of a Few Flowering Trees and Shrubs." He divided his remarks under the heads of (1) evergreens and (2) deciduous plants, and with regard to the first division he did not advocate much pruning. It was better to replant the trees or dig out in places here and there, in order to give room for development. All seed-vessels should be removed from such plants as Rhododendrons, Azaleas, &c., and all suckers should be removed from the base of the plant. The Ceanothus was apt to get out of bounds; therefore it should be cut back hard. The second group required more pruning, and a very good general rule to follow was not to prune hard till after the flowering season. Thin out weak growths and shorten back in winter, when the foliage is off. Buddleias required very hard cutting, and no shrub was more beautiful when in flower. He concluded with a few remarks on climbers or wall shrubs, and gave as a general maxim—give the same care to flowering shrubs as you would to fruit trees, and a wealth of flower would be produced on well-placed and well-balanced trees. A good discussion ensued, and a hearty vote of thanks was accorded Mr. Richardson at the close. The exhibits consisted of thirty dishes of Apples, in fine condition, and some excellent Mushrooms and Seakale, shown by Mr. W. Massey, gardener to Major Bulkeley, D.S.O., Linden Hill, and a miniature rock garden shown by Messrs. Waterer, Sons and Crisp, Limited, with Saxifrages of several varieties, Primula Juliae, Anemones, Iris reticulata, Crocus and Cytisus in full bloom. The judges awarded a cultural certificate to Mr. Massey for his fruit, highly commended the vegetables, and thanked Messrs. Waterer, Sons and Crisp for their interesting display.

**READING GARDENERS' ASSOCIATION.**

THE usual fortnightly meeting of this association was held at the University College on Monday, February 22, by kind permission of the authorities. The chairman of committee, Mr. H. Goodger, presided over a good attendance of members. The lecturer for the evening was Mr. E. Blackwell, gardener to Lord Reading, Foxhill. Mr. Blackwell's subject was "The General Pruning and Training of Roses," and this he dealt with in a very masterly manner. He described the method he adopts at Foxhill of pruning Hybrid Perpetual, Tea, Hybrid Tea, China, Rugosa, Moss, Polyantha, Bourbon and Wichuraiana Roses, and Lord Penzance's Briars. The best varieties for pillars, pergolas, festoons, and the best method to train them, were each dealt with in turn. A good discussion followed, and at the conclusion Mr. Blackwell was heartily thanked for his interesting and profitable paper. In the points competition, Class 1, Mr. F. Townsend was awarded 12 (full points) for Giant White Star Primulas, Mr. H. Goodger 10 for Apples, and Mr. E. Blackwell 7 for vegetables. In Class 2 Mr. F. Haines received 9 points for Apples. Mr. A. H. Fulker, gardener to Mr. H. Pretty, gained the association's certificate for an excellent group of Primula malacoides. The judges also drew special attention to the condition, colour and cultural merit of a splendid exhibit of Apples from the University College Fruit Station, staged by Mr. Drew, not for competition.

**TRADE NOTES.****A NOTABLE TOMATO.**

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**CATALOGUES RECEIVED.**

Messrs. Peter Henderson and Co., 35 and 37, Cortlandt Street, New York: Garden Guide and Record.  
Messrs. William Samson and Co., 8 and 10, Portland Street, Kilmarnock: Seeds and Plants.  
Mr. E. Percy Smith, 13, Witham Place, Boston, Linco: Roses.  
Messrs. Storrie and Storrie, The Nurseries, Glencarse, Perthshire: Flower Seeds and Seedlings.  
The Conrad and Jones Company, West Grove, Pa., U.S.A.: Rose Guide.  
Messrs. Frank Dicks and Co., 110, Deansgate, Manchester: Garden Seeds.  
Messrs. R. Wallace and Co., Kilnfield Gardens, Colchester: Lilies, Gladioli, Alpines, Water Garden Plants, Hardy Trees and Shrubs, &c.  
Messrs. G. Cooling and Sons, nurserymen and seed merchants, Bath: Seeds, Hardy Paeonies, Herbaceous Plants, &c.  
Messrs. T. S. Ware, Limited, Feltham, Middlesex: Begonias and Seeds.  
Messrs. E. P. Dixon and Sons, Limited, Yorkshire Seed Establishment, Hull: Seeds.  
Mr. Henry A. Drew, 714 and 716, Chestnut Street, Philadelphia: Plants and Seeds.

**PUBLICATIONS RECEIVED.**

"The Orchid Review," edited by R. Allen Rolfe, A.L.S., Lawn Crescent, Kew.  
"Gardeners' and Florists' Annual for 1915." Published by A. T. De La Mare Printing and Publishing Company, Limited, 2 to 8, Duane Street, New York; price 50 cents.  
"Report of the Board of Park Commissioners, Spokane, Washington."  
"One and All Gardening." Published by the Agricultural and Horticultural Association; price 2d.  
"Fruit Growers' Year Book." Published by The Cable Printing and Publishing Company, Limited, Hatton House, Great Queen Street, W.C.; price 1s. net.  
"Journal of the North of England Horticultural Society," 26, Bond Street, Leeds.  
"Register of Nurseries, Market Gardens, Farms, Florists' and Seed Businesses to be Let or Sold, and of Partnerships." Messrs. Protheroe and Morris, 67 and 68, Cheapside, London, E.C.

**SCHEDULES RECEIVED.**

The East Anglian Horticultural Club. Secretary, Mr. W. L. Wallis, 12, Royal Arcade, Norwich.  
Southampton Royal Horticultural Society. Secretary, Mr. C. S. Fudge, 7, Silverdale Road, Archer's Road, Southampton.  
Grand Yorkshire Flower Show and Gala. Secretary, Mr. Fred Arey, Davyhall Chambers, Davygate, York.

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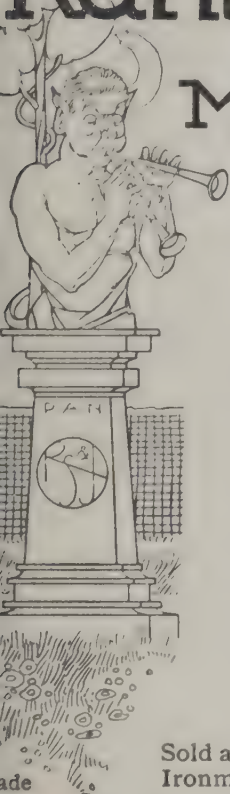


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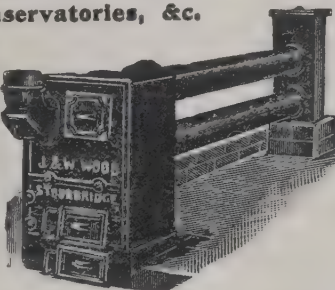
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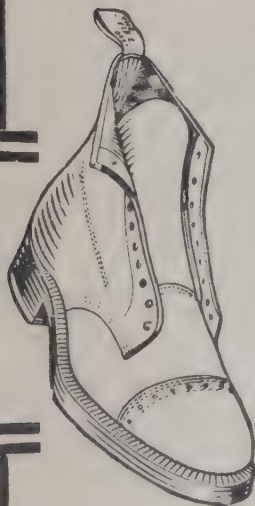
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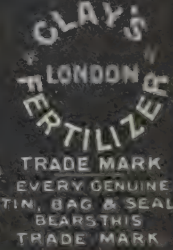
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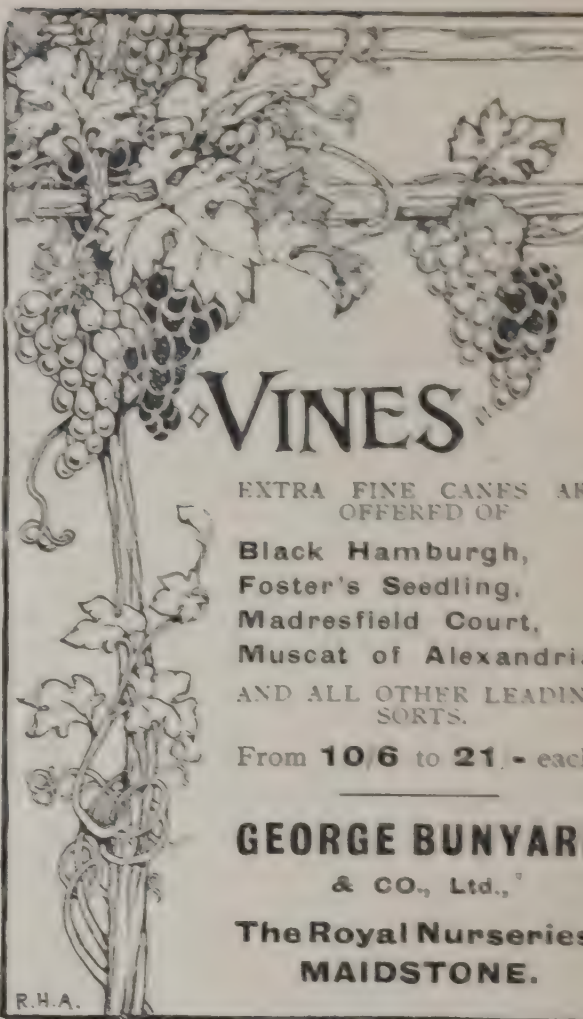
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## Amateur's Roses "2."

12 Dwarfs 7/6 carriage  
or Bushes paid.

This Collection includes the  
famous "Daily Mail" Rose, the  
most brilliantly-coloured rose of  
to-day.

"Daily Mail" Gold Cup Rose  
(Mme. Ed. Herriot), flame-  
coloured Rose, prawn red with  
rosy orange-scarlet flames .. 2/-  
Bns. Rothschild, pink .. 6d.  
Countess of Derby, rose .. 8d.  
Dean Hole, silvery rose .. 8d.  
D. P. Roberts, copper-pink .. 8d.  
Earl of Gosford, crimson .. 1/-  
Escarlate, scarlet-red .. 8d.  
Edu Meyer, red and yellow .. 8d.  
Grace Darling, cream .. 6d.  
Gruss an Teplitz, crimson .. 6d.  
Killarney, fine pink .. 8d.  
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## Town Roses "E."

12 N.R.S. 6/6 carriage  
Selection paid.

Some roses don't do well in  
Towns, some do. This Collection  
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heartly recommendation.

C. Testout, salmon-pink .. 6d.  
C. F. Meyer, silvery-rose .. 8d.  
Dr. Browne, carmine .. 8d.  
Gloire de Dijon, buff-yellow .. 9d.  
G. Grunerwald, carmine .. 8d.  
Hugh Dickson, crimson .. 8d.  
J. B. Clark, deep scarlet .. 8d.  
La Tosca, salmon-flesh .. 8d.  
M. A. Chatenay, salmon-pink .. 6d.  
Mme. Ravary, orange-yellow .. 6d.  
Mrs. John Laing, rose-pink .. 6d.  
Ulrich Brunner, cherry-red .. 6d.

## Pretty Rock Plants.

3 each, 12 sorts, 2/9 packed free  
36 plants, 6s. on rail.

12 charming tufted perennials for  
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Silvery Burr, crimson tips  
Downy Yarrow, golden-yellow  
Marshall's Aubrietia, purple  
Little Gem Bellflower, white  
Pink Rock Rose  
Maiden Pink Dianthus  
Crimson Heath or Heather  
Greek Heron's Bill, pink  
Lavender Cat Mint  
Rosy Evening Primrose  
Alpine Poppy  
Golden Lemon Thyme

## Shrubs for Winter.

6 Fine Sorts 5/- packed free  
for 2/6. on rail.

First-rate for gardens of any size; in-  
cludes 2 wall shrubs.

Wine Bush, evergreen .. 6d.  
Chinese Barberry, orange  
flowers .. 6d.  
Golden Aster, yellow leaves,  
white flowers .. 6d.  
Silver Dogwood, silvery leaves  
Simon's Rose Box, orange  
berries .. 6d.  
Blue Speedwell, evergreen .. 4d.  
Starry Daisy Bush, wh. fls. .. 6d.  
Golden Bells, yel. fls. Feb. .. 6d.  
Lobb's Cypress, graceful eve-  
green .. 9d.  
Yelitch's Cinquefoil, wh. fls. .. 6d.  
Golden St. John's Wort, ever-  
green .. 6d.  
Rosemary, fragrant evergreen .. 6d.

## Prime Vegetables.

14 Packets 1/1 post  
as Catalogue free.

Crimson Globe Beet .. 200s.  
Champ. Brussels Sprouts .. 400s.  
Flower of Spring Cabbage .. 600s.  
Early Horn Carrot .. 1,000s.  
Prizetaker Cauliflower .. 300s.  
Cabbage Lettuce .. 1,500s.  
Prize Lyon Leek .. 400s.  
Ailsa Craig Onion .. 300s.  
Moss Curled Parsley .. 1,000s.  
Student Parsnip .. 750s.  
French Breakfast Radish .. 1,000s.  
Snowball Turnip .. 2,000s.

1 oz. each Mustard and Cress.

## Rambler Roses "3."

6 Splendid 3/9 carriage  
Climbers paid.

Six tip-top climbers for wall or  
arch, will give a fine succession  
of bloom.

Blush Rambler, apple-blossom  
pink .. 9d.  
Coronation R., red and white .. 1/-  
Crimson Rambler, gorgeous .. 6d.  
Delight, bright carmine .. 9d.  
Dorothy Dennison, shell pink .. 9d.  
Paul's Carmine Pillar, brilliant  
carmine, splendid climbing single  
Hybrid Tea .. 9d.

## Sweet Briar & Moss Roses.

Collection 5/- carriage  
No. 4. paid.

12 Bushes, 8 new named Hybrid Sweet  
Briars, various, 1 Copper, 1 Persian, and  
2 Moss Roses, separate .. 6d. each

## Bedding Roses "J."

12 N.R.S. 7/- carriage  
Selection paid.

In the entire range of roses you  
could not find a better twelve for  
garden display—free and long lived.

Antoine Rivoire, pale cream .. 8d.  
Caroline Testout, salmon .. 6d.  
Lady Ashdown, Rose du Barri  
Lyon, shrimp pink .. 8d.  
M. A. Chatenay, salmon-pink .. 6d.  
M. M. Soupert, sunset yellow .. 8d.  
M. Ravary, orange .. 6d.  
Pharisaer, rosy white .. 8d.  
Rayon d'Or, sunflower yellow .. 1/-  
Richmond, scarlet .. 8d.  
Souv. de M. Zayas, carmine .. 6d.  
Sunburst, cadmium yellow .. 1/-

## Gay Border Flowers.

3 each, 12 sorts, 2/9 packed free  
36 plants, 6s. on rail.

12 first-class plants, live year after  
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Dropwort Yarrow, golden  
Queen Charlotte Anemone, pink  
Carpathian Bellflower, blue  
Blue Perennial Cornflower  
Li Hung Chang Marguerite, white  
Michaelmas Daisy Goliath, rose  
Sea Holly, steely blue  
Florentine Iris, white  
Crimson Catchfly Campton  
Orange Oriental Poppy  
Purple Bergamot, fine  
Single Scarlet Pyrethrum

## Shrubs for Summer.

6 Fine sorts 5/9 packed free  
for 3/-. on rail.

12 Splendid shrubs for borders or beds;  
fine for cutting.

Silvery Indigo, violet-blue .. 6d.  
Pale Barberry, crimson lvs.,  
autumn .. 9d.  
May Bloom, glorious primrose  
flowers .. 6d.  
Deutzia, pretty pink or white .. 6d.  
Escallonia, e'green pk. or wh. .. 6d.  
Myrtle Fuchsia, scarlet .. 6d.  
Mock Orange, fragrant white .. 6d.  
Copper-lyd. Plum (Prunus  
Pissardi) masses pk. fls., Copper  
Beech-like leaves, exquisite .. 1/-  
Graham's Crimson Sage .. 6d.  
Giant Feather Spiraea, wh. .. 6d.  
Autumn Speedwell, wine-red .. 6d.  
Rose Syringa, charming .. 6d.

## Pretty Flowers.

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Double Mixed Clarkias .. 1,000s.  
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Blue Cornflower .. 300s.  
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White Godetia .. 1,000s.  
Purple Toadflax .. 3,500s.  
Scarlet Flax (Linum) .. 1,500s.  
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Dwarf Nasturtiums .. 50s.  
Mixed Sweet Peas .. 60s.  
Virginian Stock .. 4,000s.

## Fragrant Roses "D."

12 N.R.S. 6/- carriage  
Selection paid.

The Hybrid Perpetual fragrance  
is considered to constitute highest  
excellence in rose perfume. It is  
present here in abundance

Abel Carriere, crimson .. 6d.  
Alfred Colomb, red .. 6d.  
Avoca, scarlet .. 8d.  
Chas. Lefebvre, velvety-red .. 6d.  
Dupuy Jamain, cerise .. 6d.  
Gen. Jacqueminot, crimson .. 6d.  
General McArthur, crimson .. 8d.  
Johanna Sebus, cerise .. 9d.  
La France, rose .. 6d.  
Mrs. John Laing, rosy-pink .. 6d.  
Ulrich Brunner, cherry-red .. 6d.  
Visc. Folkestone, cream .. 6d.

## All Round Roses "K."

Bees' Test 5/6 carriage  
Collection paid.

For all purposes the ideal 12 where  
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colour, beauty of form and general  
utility are desired.

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Caroline Testout, salmon-pink .. 6d.  
Fisher Holmes, crimson .. 6d.  
F. K. Druschki, white .. 6d.  
Hugh Dickson, crimson .. 6d.  
Lady A. Stanley, silvery flesh .. 8d.  
Lady Ashdown, deep pink .. 6d.  
Lyon, shrimp pink .. 8d.  
M. A. Chatenay, salmon-pink .. 6d.  
M. Ravary, orange-yellow .. 6d.  
Mrs. John Laing, rose-pink .. 6d.

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3 each, 12 sorts 4/- packed free  
36 plants 8/6. on rail.

Delphiniums, ea. 6d.; 3 same name 1/-  
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.. Eureka, rich gentian blue  
.. Purple East, plum purple  
.. Exquisite, Cambridge blue  
Phlox, ea. 4d.; 3 same name, 8d.  
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.. Embrassement, bright salmon  
.. Etna, brilliant coral red  
.. Brilliant, salmon pink  
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.. Sherlock, single dark scarlet  
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Giant Dutch Red Currants, the  
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white, 7d.; 3 for 1/6  
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crimson, 5d.; 3 for 1/-  
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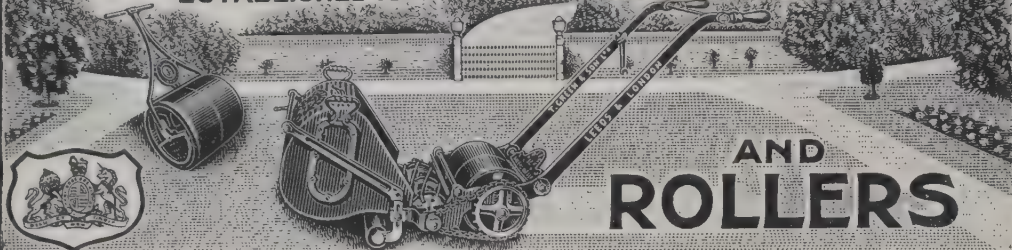
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ve magnificent varieties for garden or greenhouse, all Gold Medal winners; flower continuously the season. The Roses are of great substance, with ably long, handsome buds and shell-petalled flowers exquisite soft shades and distinct tea-like fragrance.

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AVARY, long pointed, golden-yellow buds, full to orange-yellow; very hardy and free-flowering.

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PLITZ, deep vermilion, shaded red and brownish ever-blooming variety. MME. JULES GROLEZ,

very rose, shaded yellow. The buds are long and A really magnificent Rose. J. L. MOCK (H.T.),

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RIN AUGUSTA VICTORIA, Hybrid Tea Rose, arly white, lightly tinted with lemon in the centre.

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deliciously perfumed, continuous bloomer, vigorous, ree branching habit.

2 for 3/-; 6 for 5/6. The complete set of 12 for 10/-.

Send me a sample order for my vigorous country grown Roses and compare with any others n buy elsewhere. Don't be misled by offers of so- cheap rubbish offered at absurd prices.

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Y SPECIAL OFFER of Giant-flowering Hybrid al Roses. My selection, drawn from the very best s where I have a surplus. Will transplant splendidly

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YBRID PERPETUAL ROSES.

ral favourites everywhere on account of their hardiness, nt blooming qualities (being scarcely ever out of flower le season), and robust, vigorous constitution.

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PAUL REYNSCH, imperial pink of the richest shade, d beautifully formed, the largest Rose in cultivation.

RAL JACQUEMINOT, bright scarlet crimson, an nt bloomer; large and fine double flower. MAGNA TA, bright pink, shaded with carmine, large and full; cent Rose. MRS. R. G. SHARMAN CRAWFORD, y pink, outer petals shaded with pale flesh; a beautiful

Rose in every respect. FISHER HOLMES, magnificent scarlet, shaded with deep velvety maroon; very brilliant, large and full. CAPTAIN HAYWARD, bright crimson carmine, an entirely distinct shade of colour, of perfect form and very sweet. CONRAD F. MEYER, bright silvery

Rose, very large and fragrant; an immense favourite every season, the demand far exceeding the supply; strong grower, continuous blooming. MME. GABRIEL LUIZET, silvery

pink, a lovely Rose, very fragrant, very vigorous; does well anywhere. HUGH DICKSON, intense brilliant crimson, shaded scarlet; it is very fragrant, and has been awarded the Gold Medal at the N.R.S., and numerous F. C. Certificates.

All the above Hybrid Perpetuals are strong, robust, two-year-old trees, every one of which flowered abundantly last season. Any 6 for 4/6; the set of 12 (one of each), for 8/-.

Extra large selected, 6 for 5/6; 12 for 10/-.

We have thousands of other Roses. All the popular varieties. Customers can leave out any of the above and include others they may wish to have.

TEA AND HYBRID TEA EVER-BLOOMING ROSES.—My selection. Magnificent varieties for garden or greenhouse; nearly all Gold Medal winners; flower continuously the whole season. The Roses are of great substance, with remarkably long, handsome buds and shell-petalled flowers of most exquisite soft shades and distinct tea-like fragrance. 3 for 2/6; 6 for 4/9; 12 for 8/6.

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## FRUIT GARDEN.

**VINE FOR A COLD GREENHOUSE IN THE NORTH OF IRELAND (M. M.).**—Black Hamburgh would be likely to give the best results. If special attention is given to closing the ventilators of the vinery on sunny days about 3.30 p.m. in the spring and summer, and care is taken to ventilate carefully to avoid draughts and to maintain a moderately warm growing temperature whenever possible, good results would follow. It would, of course, be a great advantage if a little heat could be had in the hot-water pipes on cold, wet days. The soil compost which suits the Vine best is turfy fibrous loam cut from old, sound pasture land. (It should be cut about five inches deep.) The grass must be cut off as short as possible before the turf is cut. Let the turf be cut up into lumps the size of one's fist. To each barrow-load of such turf add the following and well mix all together: One peck of old mortar rubble, one peck of brick-ends (broken small), the same of lime, one gallon of kainit, half a gallon of quarter-inch bones, and the same of bone-meal.

**WHEN TO START LATE VINES (E. Wild).**—Gros Colmar, Black Alicante, Mrs. Pince and Muscat of Alexandria are late Grapes. The only summer and autumn Grapes in your house are Black Hamburgh and Madresfield Court. It is a well-known fact that late Grapes, if they are wanted to keep in good condition from January to the end of March, must be well ripened early in the autumn—certainly not later than the middle of October. They cannot be properly ripened after that, neither will they keep well if the fruit is not thoroughly ripened. In order to have these late Grapes ripe by then or a little earlier, the vinery must be started in a quiet way at once, so that the Vines may receive the full benefit of all the light and warmth the summer can give. Black Hamburgh and Madresfield Court will probably be ripe at the end of August or early in September. This cannot be helped. You must make use of all the summer sun-heat you can by closing the vinery early in the afternoon after well syringing the walls and borders (not the Vines), say, at 3.30 p.m. Keep just a little heat in the pipes until the end of June (and also in wet, cold weather) to prevent chills and to keep away mildew. The temperatures must be low at the start, gradually rising as growth advances. Summer temperatures without sun-heat should range from 67° to 73° Fahr. or thereabouts, and 10° higher with sun-heat. The temperature must be regulated chiefly by the ventilators. Do not open the front ventilators at all until the first week in April, and then cautiously, or you are likely to have an attack of mildew on the Vines. You can easily regulate the temperature by the top or back ventilators.

**APPLES DECAYING ON THE TREES (M. K.).**—From your account of the trouble we suspect the rotting of the fruits was brought about by an attack of the brown rot fungus, *Sclerotinia fructigena*. This fungus attacks the spurs and young branches, foliage—especially when young—flowers and fruits of almost all kinds of fruit trees, and is not at all easy to deal with. The best measures to adopt are to destroy all the diseased fruits by fire, to prune out all dead or dying spurs or shoots during the winter, and especially any that show cracking of the bark, and to spray the trees just before the buds burst, and again after the petals have fallen, with Bordeaux mixture at half the strength used for spraying Potatoes.

**PLANTING NEW VINES (C. Barter).**—You had much better lay a good and solid foundation for the permanent success of your Vines by giving them a new border to start in. It need only be small for the first two years, say, 3 feet wide and 3 feet deep, including the drainage. A foot should be added to the width of the border every year afterwards until it is completed. You will probably know the best soil to use. If you do not, write us again, and we will let you know. As regards the holes in the wall through which the Vines enter the vinery. It depends on the position of the holes. If they are immediately under the wall-plate, the base of the Vine rods will have to be partly exposed, as it will not do to carry the border higher than the wall-plate. But if the holes are some inches lower than this, there should be no exposure, as the base of the Vine rod will then be inside the hole in the wall and the hole will be covered in by the border above it. If the former is the case, a portion of stem is exposed. It should be protected in the winter by having haybands wrapped round it. The best and safest dressing you can have is Gishurst Compound. It can be had from any seed merchant or sundriesman advertising in our columns, with full directions how to use it.

**PEACH FRUIT-BUDS DROPPING (E. Wild).**—We are sorry for you, but nothing you can do now, we are afraid, will stop the dropping. A few buds, however, we hope, may set. The best thing you can do during the remainder of the year is to encourage free and healthy growth in your trees by careful watering and top-dressing with new loam if the trees need it. Do not force your trees. Let them come on naturally, ventilating freely in favourable weather. What is wanted during the summer is well-developed, healthy foliage, not too much crowded together. This secured, you are bound to have well-developed and well-ripened shoots, which will carry good crops of fruit. The most fruitful cause of bud-dropping is keeping the trees too dry in the autumn and winter when the leaves are off. Take a lesson from Peach trees growing outside on walls. Buds are scarcely ever known to drop off these. They are mostly saturated with rain during these months. Another thing to avoid in the autumn and winter is too close and warm an atmosphere. The trees must have plenty of air and be kept cool during

these months. Grosse Mignonne has a bad character for dropping its buds.

## GREENHOUSE.

**POTTING GLOXINIAS (Gloxinia).**—We presume that your Gloxinia tubers are those that flowered last year, and have been kept dry during the winter months. If they were wintered in the pots they grew in, they must now be shaken quite clear of the old soil. It is, however, probable that they were so treated when they became dormant and were laid in boxes of soil. In any case, they should now be potted, using for the purpose a compost made up of two-thirds loam to one-third good well-decayed leaf-mould and a liberal sprinkling of silver sand. If leaf-mould is not available, peat can be substituted for it; but Gloxinias, in common with most of their immediate relatives, are very fond of leaf-mould. If the dormant tubers are about the size of a halfpenny to a penny, pots 4 inches in diameter will be a very suitable size for them, as they are much better if started in comparatively small pots and shifted later on into larger ones than if put into their flowering pots at once. The pots prepared for their reception must be quite clean and effectually drained. The tubers should be put at such a depth that the upper part is immediately below the surface of the soil. After potting, they must be stood in a structure where a temperature of 50° to 65° is maintained—that is if they are needed to come on gradually; but if required as early as possible, a little more heat may be given. Then the soil should be watered sufficiently to keep it slightly moist until the young shoots make their appearance, when more must be given. They must not be allowed to become pot-bound before they are shifted into their flowering pots, which may be from 5 inches to 6 inches in diameter. The same kind of soil should be used as for the first potting. When the flower-pots are well furnished with roots, an occasional stimulant will be beneficial. In any future questions, a few words as to the condition of the plants concerning which you enquire will be very helpful to us.

**TREATMENT OF AURICULAS (Auricula).**—In the autumn it is natural for the Auricula to lose a certain number of the lower leaves, and when they will readily part from the stem they must be picked off by hand. If this is not done, they will, as you suggest, become mouldy and set up decay. This may be the original cause of the apparently healthy leaves developing the black spots, and without seeing them it is impossible to state with any accuracy the actual cause. In all probability they will disappear with the lengthening days and drier weather, providing the house is freely ventilated. Damp is the Auricula's greatest enemy, and we feel sure this is the cause of most of, if not all, your trouble. For the present give plenty of air, keep the plants slightly on the dry side (but not dust dry), and if the surface soil is at all sour, just lightly prick it over with a pointed stick. Keep the plants fairly close to the glass, and do not crowd them in any way. The lack of sunshine need not be considered. In regard to repotting, an article will appear in THE GARDEN dealing with this subject, when full particulars will be given at the proper time. Large pots are not required, and the stem can safely be shortened to bring the rosette of leaves near to the surface of the soil. Perhaps some of your plants are very old, and if so, an occasional one will die even with expert attention. Directly it is noticed that a plant is decaying at the top, the only thing you can do is to cut away all the decayed part and cover the wound with lime or powdered charcoal. Where this is carried out in the early stages, the stem is generally saved, and in some cases numerous offsets are produced. If not done at once, the rot spreads rapidly down the stem and the whole plant is lost.

## KITCHEN GARDEN.

**CUCUMBER GROWING ON HOT-BEDS (Cucumber J. B.).**—The three plants you have now in a 4½-inch pot should be repotted singly into pots of the same size and be grown on in the same temperature until a few more leaves have been formed and the pots are full of roots. Plant these out on a hillock of soil in the middle of the light of the frame, one plant only to a light. See that the soil is warm before planting, but not too hot. Press the soil firmly round the plant. As soon as five leaves have been formed, stop the plant by pinching out its centre. If you find the top of the plant to be too near the glass, bend it down gently and secure it in position with a strong peg. As a result of the stopping, young shoots will start from the base of the plant. Train these to start with so as to form a cross (X). They will in time fill the light. Each of these young shoots in due time will produce a fruit, generally at its third leaf. When the fruit is perceived, stop the shoot at the third leaf above the fruit. This will help the fruit to swell, as well as cause other shoots to emerge from just below where the shoot has been stopped. The matter is very simple and easy if you will bear in mind to stop every young shoot which grows and bears a fruit just three leaves above the fruit. Later, when growth becomes too crowded, some of the older shoots must be cut away to make room for young ones, which are always plentiful on healthy plants. To keep up the heat, you will have to provide manure linings to the frame and cover it up at night with several thicknesses of mats. If you are puzzled, do not hesitate to ask further questions. As a rule, it is not necessary to fertilise in the spring and summer, but it makes the setting more secure.

## MISCELLANEOUS.

**SOIL FOR INSPECTION (Devonshire).**—The soil you send is one sort of peaty soil, but probably quite poor,

and certainly of little value in enriching poor garden soil. At best it would only aid the retention of moisture. It would be necessary to mix lime with it if it were added to the soil, in order to counteract its acidity. Hollies for hedge-making are usually propagated from seeds, which require to be collected when ripe in the autumn, buried in sand till the succeeding spring or autumn, then sown in drills and covered with an inch or so of soil. They should be protected from frost and bright sun by placing some boughs over the beds. They remain in the beds for two years, and are then transplanted into nursery rows a foot apart. After two years they are fit to transplant again. The named sorts are propagated by grafting during March, or by budding in May or August.

**VARIOUS QUESTIONS (E. K.).**—1. We have never before heard the statement that Lily of the Valley and Solomon's Seal will benefit by being planted in close proximity to each other. You may rest assured that it has no foundation in fact. 2. The different greenhouse Heaths named by you should be cut back after flowering, and as soon as young shoots are pushed forth, the plants must be repotted in a mixture of peat and sand. Good drainage is essential, and watering must be carefully done. If by a cold greenhouse you mean a structure absolutely without fire-heat even in the winter, it is quite possible that the plants would suffer at that season and, being in a more or less debilitated state, they would be so weakened by the strain of flowering as to collapse when cut back. While these Heaths do not need much fire-heat, frost must not have access to them during the winter. In all stages of growth they need careful attention as to air, water, &c. 3. Brugmansia (Datura) Knightii will succeed if planted out in a border in a structure from which frost is excluded during the winter months. If possible, the temperature therein should not at any time fall below 38°.

**PLANTS FOR WALL WITH WEST ASPECT (Reksirb).**—The following plants will thrive on your wall with a west aspect; the dates of flowering are given: *Jasminum nudiflorum*, yellow, midwinter; *Prunus triloba flore pleno*, pink, April; *Ceanothus rigidus* and *C. veitchianus*, blue, late April and early May; *Cydonia japonica cardinalis*, red, January to May; *Pyracantha coccinea* and *P. angustifolia*, bright-coloured berries from September to Christmas or later; *Clematis montana*, white, May; *C. m. rubens*, red, May; *C. Jackmannii superba*, purple, August to October; *Escallonia macrantha*, red, August and September; *Garrya elliptica* (male), long, yellowish green catkins, January and February; *Coroea cotoneaster*, yellow, May; *Abelia grandiflora*, white, August, September; *Rosa bracteata*, July to late September. With regard to rock plants for a due north aspect, it would be wise to confine yourself largely to Ferns. Any hardy Ferns may be expected to thrive, also *Anemone Pulsatilla* for a time, *Primulas* in variety, *Trillium grandiflorum* in a low, damp place, *Cyclamen Coum*, *C. ibericum*, *C. europæum* and *C. neapolitanum*. It is largely a question of experimental work to secure suitable plants for such a position, for rock plants generally require plenty of light and sun in summer, and without knowing more about your general conditions, it is not possible to give accurate advice. Ferns, however, are sure to succeed. Please observe rules when writing again.

**FUNGUS ON DEAD WOOD (S. C.).**—The fungus is not fruiting, and is, therefore, unidentifiable. We do not think, however, as it appears to attack dead wood only that it is likely to do harm to the Lilies. One fungus, *Botrytis*, the cause of the Lily disease which so frequently attacks the Madonna Lily, often grows on decaying vegetable matter, and it is, no doubt, wise to keep the top 2 inches or 3 inches of soil as free from this as possible; but, on the other hand, we think it would be easy to give too much lime to many Lilies, especially, perhaps, Lilies like *L. pardalinum*. It would be of interest if some of our readers would give their experience of growing Lilies in chalky soils.

**NAMES OF FRUIT.**—T. Barnet.—1, Pickering's Seedling; 2, Allen's Everlasting; 3, Stamford Pippin; 4, not recognised, probably a local seedling.

## THE EDITOR'S TABLE.

**Oranges from Sawbridgeworth.**—Messrs. Thomas Rivers and Sons of Sawbridgeworth send us a very beautiful collection of Oranges and Lemons that have been grown in their nurseries. These fruits are splendidly finished, very luscious and sweet. It is difficult to understand why Oranges and Lemons are not grown more extensively in those gardens where glass houses are available. Messrs. Rivers grow the trees trained up the roof of a long house, much in the same way as Vines are grown, and they are no more difficult, even less so, to manage than a house of Grapes. That well-finished fruits, with foliage intact, would be a welcome addition to the dinner-table, no one who has once seen and tasted them will deny. Among the Oranges sent us, the following were exceedingly good: Jaffa, large, flesh solid and sweet; St. Michael's,



# THE HORTICULTURAL WONDERBOOK.

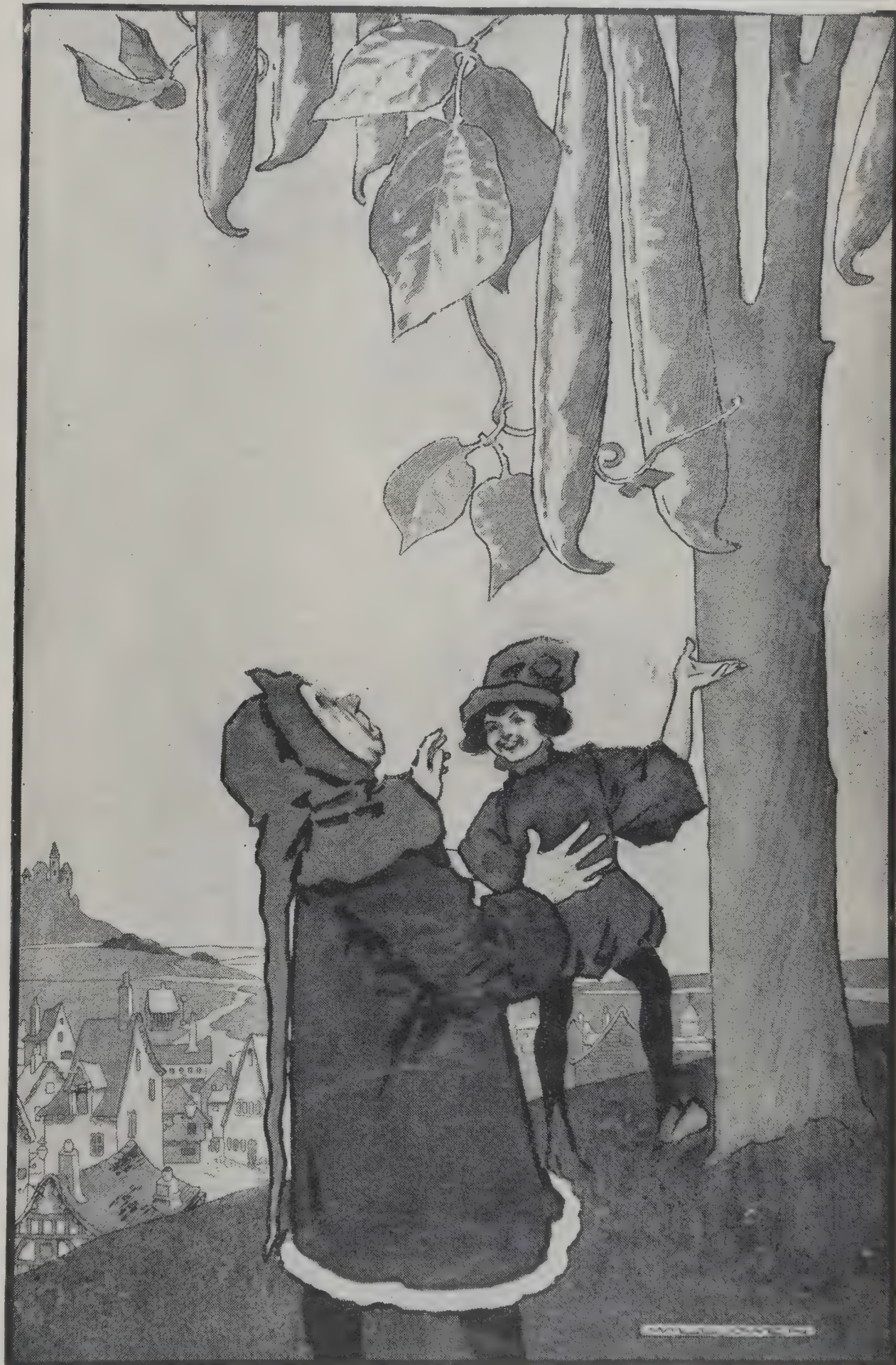
THE first consideration as to the value of a volume concerns the quality of its contents, and the horticultural handbook is no exception. A really good publication must be full of sound and useful information, practical to a degree, of unimpeachable authority. These properties invest a work with interest that prove an intrinsic asset, making it reliable as well as readable. As an illustration, turn to the pages of "CLAY'S SUCCESSFUL GARDENING," known as "The Horticultural Wonderbook," now in its fifth edition. To ensure this element of quality, it has three hundred and thirty-two pages, which might easily have been written by one author, are the well-digested literary product of over thirty contributors; each an authority; each a specialist; each a writer of known ability. Without waste of words, but with sufficiency of detail, the culture of garden and greenhouse; the most modern methods for the growing of garden flowers, fruits, and vegetables; the practice of leading exhibitors in preparing specimens for the show-table; the carrying-on successfully of practical garden duties; the eradication of garden pests; and the use and abuse of manures—these and other timely topics, of service to the gardener, are included within the covers of the handbook referred to above, and their amplitude is only equalled by their range of information. The leading contents and contributors include:—

- "THE GARDEN UNDER GLASS," George Gordon, V.M.H.
- "A GAY GARDEN," T. W. Sanders, F.L.S.
- "SMALL SUBURBAN GARDENS," J. Harrison Dick.
- "HARDY HERBACEOUS FLOWERS," F. W. Harvey.
- "BEAUTIFUL EVERGREEN SHRUBS," W. A. Cook.
- "ROCK GARDEN," H. Hemsley.
- "BEGONIAS," J. Udale.
- "BULBS AND THEIR CULTURE," G. Trinder.
- "CARNATIONS," J. Douglas.
- "CHRYSANTHEMUMS," H. Shoesmith.
- "DAFFODILS," E. H. Jenkins.
- "DAHLIAS," E. F. Hawes.
- "GARDEN LILIES," E. H. Jenkins.
- "PRIMULAS," Herbert Cowley.
- "GARDEN ROSES," H. C. Prinsep.
- "ROSES FOR EXHIBITION," T. G. W. Henslow, M.A.
- "FORCING ROSES," Walter Easlea.
- "SWEET PEAS," H. J. Wright.
- "SWEET PEAS FOR EXHIBITION," Thos. Stevenson.
- "VIOLAS, PANSIES, AND VIOLETTAS," D. B. Crane.
- "FERNS AND FERN CULTURE," H. A. Smith.
- "MELONS," Edwin Beckett, V.M.H.
- "TOMATOES FOR PROFIT," W. Iggulden.
- "VEGETABLE CULTIVATION," W. Iggulden.
- "CUCUMBERS," Edwin Beckett, V.M.H.
- "CUCUMBERS FOR EXHIBITION," J. C. Scammell.
- "HOME GARDENING," S. W. Thomas.
- "FLORAL DECORATIONS," Mrs. Richmond.
- "GROWING AND SHOWING GARDEN PRODUCE," John Wright, V.M.H.
- "GROWING FOR MARKET," John Fraser, F.L.S.
- "GARDEN NOTES," H. H. Thomas.
- "GARDEN PESTS," C. H. Curtis.
- "GARDEN MANURES," by various experts.

So comprehensive a volume, published in cloth covers, in a handy size for reference, and offered to an interested public at the modest price of ONE SHILLING, has probably reached the limit, especially when its contents suffice to afford it expressions of high appreciation from the Gardening Press, of which the following is a specimen:—"Probably there was never a book contributed to by so many skilled writers to build up or to maintain its reputation as the one now before us. Messrs. Clay & Son have brought to bear upon the production of this little book the work of the most skilled and adept horticultural writers of the day. It is only necessary to glance down the 'contents' page to realise this. There can be seen names of old horticultural warriors that have been before us—in some cases—upwards of half a century, and there, too, will be found the cream of the newer school writers. At first glance it is difficult to imagine how such a multitude of good things could be crowded within the confines of just over 300 pages, but it is soon made obvious to the reader that the system adopted, of leaving the specialities of gardening to the specialistic writers, has something else besides proficiency to commend it, namely, economy. The contents of 'Clay's Successful Gardening' will be found a valuable help to both amateur and professional gardeners, and especially to the army of young gardeners who make a practice of evening study. . . . There are several coloured plates, and many full-page plates and other illustrations, which add considerably to the value of the book. There is also a complete index, as well as an abridged glossary of terms; in fact, there is little connected with practical horticulture to which this book does not refer. Without a doubt it is the finest shillingsworth obtainable."—"The Journal of Horticulture."

Regarding a publication of such merit, the only consideration not to be marvelled at is that already four entire editions have been disposed of; and that the fifth, entirely up to date, has already enjoyed a large sale. It may be obtained of booksellers for the modest sum of One Shilling, or from the publishers direct, post free, for that amount.

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a handsome, nearly round fruit of excellent quality; Achilles, round, beautiful skin and of splendid flavour; and White Orange, large, slightly oval in shape, quality and flavour superb. The Lemons were Imperial, very large and solid; and White Lemon, roundish, large, with a very fine skin and solid flesh.

**Some Beautiful Primulas from Sheffield.**—Messrs. William Artindale and Son, Nether Green Nursery, Sheffield, send us a most charming selection of *Primula obconica* varieties. The colours of these are superb, and we are particularly pleased with one of glowing crimson shade, and also a large, very pure white variety. Others embrace delicate shades of lavender and rose, and the whole demonstrate in an unmistakable manner the vast improvements that have been effected with this charming greenhouse plant during recent years. Not only have entirely new colours been secured, but the size and form of the blossoms and stiffness of the stems have undergone a considerable change for the better. As these *Primulas* are so easily raised from seeds, and flower over a long period during the winter and early spring, we cannot understand why they are not more extensively grown.

## SOCIETIES.

### ROYAL HORTICULTURAL SOCIETY.

THERE were again good gatherings, both of exhibits and visitors, at the fortnightly meeting held on the 2nd inst. The exhibits included a generous display of *Primulas* from Reading, a remarkable array of early alpine and hardy flowers, superb *Carnations* from Guernsey and Hayward's Heath, forced shrubs of high excellence, a fascinating lot of *Roses* from Oxford, and quite a number of rockery exhibits. The great outstanding feature of the meeting, however, was the table of forced bulbs sent by Lady Tate, Streatham Common, for which a gold medal was awarded and well merited. Orchids were seen in nice groups. Fruit and vegetables were almost to vanishing point. The Orchid committee gave awards to two, the floral committee to one novelty.

#### ORCHID COMMITTEE.

Present: J. G. Fowler, Esq. (chairman), and Messrs. J. O'Brien, J. W. Potter, R. A. Rolfe, F. Sander, R. Thwaites, P. Ralli, F. J. Hanbury, F. M. Ogilvie, C. H. Curtis, T. Armstrong, W. Cobb, J. Charlesworth, J. Cypher, W. H. Hatcher, J. E. Shill, W. P. Bound, G. Hunter, W. H. White, A. Dye, S. W. Flory, W. Bolton, Gurney Wilson and R. Brooman White.

Messrs. Stuart Low and Co., Bush Hill Park, Enfield, displayed excellent examples of *Dendrobium wardianum*, *Cattleya percivaliana* Little Gem (with orange-coloured throat), *Oncidium cavendishiana* (golden), *O. splendidum*, *Brasso-Cattleya Cooksonii* and *B.-C. langleyensis* among many plants. The first has orange-coloured flowers, with red, orange-coloured lip. Silver Banksian medal.

Messrs. Hassall and Co., Southgate, showed *Miltonia bleuana grandiflora*, *Cymbidium Hookeri* and *Odontioda Zephyr*.

Baron Bruno Schröder, Egham, sent seven handsome, well-flowered racemes of *Cymbidium Pauwelsii*, whose dominant colour is pale yellow with crimson-margined lip. It is certainly highly ornamental.

Messrs. J. and A. McBean, Cooksbridge, had a very fine lot of *Cymbidium Alexandri roseum* (a well-marked kind); also *Lælia anceps Schröderæ*, *Lælio-Cattleya Myra* (all yellow), the graceful yellow-flowered, crimson-blotched *Odontoglossum triumphosum* (with very pointed petals), *Odontioda Bradshawii* and others. Silver Banksian medal.

Messrs. Sander and Sons, St. Albans, had a delightful lot of *Trichopilia suavis* (white, rose-freckled flowers), *Cymbidium Pauwelsii*, *Oncidium fuscum*, *Angræcum sesquipedale* (very large), and *Brasso-Cattleya Everest* (of delicate pink, with chrome yellow coloured throat). Many *Odontoglossums* and *Cypripediums* were on view. Silver Banksian medal.

The group from Messrs. J. Cypher and Son, Cheltenham, was largely made up of *Cypripediums*, and of these *C. Beekmanii*, *C. dowlingiana*, *C. aureum virgale* (very fine) and *C. Rossettii* were among the varieties of outstanding merit. *Cymbidiums* *Butterfly* and *gottiana*, and *Miltonia* St. André were other notable plants in a compact and pretty lot. Silver Banksian medal.

#### FRUIT AND VEGETABLE COMMITTEE.

Present: A. H. Pearson, Esq. (chairman), and Messrs. G. Woodward, A. R. Allan, A. W. Metcalfe, Edwin Beckett, A. Grubb, A. Bullock, G. Reynolds, E. A. Bunyard, Owen Thomas, W. Poupert, J. Davis and George Kelf.

The only vegetable exhibit was from Sir Everard Hambro, K.C.V.O., Hayes Place, Kent (gardener, Mr.

J. Grandfield), who sent a collection of forced and other kinds, such as *Bean Early Gem*, *Bean Osborne's Forcing*, *Perpetual Spinach*, *Savoy Tom Thumb*, *Kale Chelsea Exhibition*, white *Jerusalem Artichoke*, *Beet* and others. Apples and Pears were before the committee in variety, but no award was made.

#### FLORAL COMMITTEE.

Present: H. B. May, Esq. (chairman), and Messrs. W. A. Bilney, F. W. Harvey, W. J. Bean, J. Hudson, R. C. Notcutt, J. Green, G. Reuthe, J. W. Moorman, T. Stevenson, C. R. Fielder, C. Blick, W. Howe, J. Jennings, R. C. Reginald Neville, W. Bain, C. Dixon, A. Turner, J. Dickson, C. E. Shea, C. E. Pearson, W. P. Thomson, E. H. Jenkins, W. G. Baker and G. Paul.

Messrs. Barr and Sons, Covent Garden, W.C., contributed a great variety of hardy plants, chiefly in made-up boxes. In this exhibit masses of the *Winter Crocus* and the earliest flowers of the year were freely colonised. Two of the more beautiful *Crocuses* were *C. suaveolens* (mauve) and *C. Imperati* in one or more varieties. In addition, *Muscari azureum*, *Narcissus cyclamineus*, *N. minimus*, *Saxifrages*, *Lenten Roses*, *Adonis amurensis* and *Iris reticulata* were noted. Many flowered *Hyacinths* in pots and *Freesias* in variety were also freely displayed.

In a rather extensive exhibit of alpine and hardy plants, Messrs. T. S. Ware, Limited, Feltham, showed a variety of *Lenten Roses*, early *Cyclamen*, *Primula cashmeriana alba* in excellent condition, *P. Juliae*, *Iris unguicularis*, *Soldanellas*, and such choice *Saxifrages* as *Elizabethæ*, *Faldonside*, and *burseriana Gloria*, certainly one of the best forms of this somewhat variable plant. The rather pretty, though tender, violet-flowered *Prostanthera rotundifolia* was also noted in this lot.

Messrs. Allwood Brothers, Hayward's Heath, had a particularly good lot of *Carnations*, the new pale pink-flowered *Perpetual Malmaison* variety *Terrific* being in fine form. Indispensables such as *Mary Allwood*, *Mrs. C. F. Raphael*, *Champion*, *Gorgeous*, *Carola*, *Cinderella* (fancy) and *Mandarin* (yellow ground) were in this group, which was also finely arranged. Bronze Flora medal.

Messrs. R. and G. Cuthbert, Southgate, N., had a big display of forced *Tulips* at the western end of the hall, staging such as *Thomas Moore*, *Vermilion Brilliant*, *Prince de Ligny* (yellow), *Unique* (white and yellow), *Duchesse de Parma*, *Crimson King*, and the violet-coloured *Van der Neer* among many kinds.

Mr. H. Burnett, Guernsey, put in an appearance for the first time this season, his absence in the past being due to the uncertainty of getting his flowers across in time for the meeting. As usual, his *Carnations* were of the finest possible description, handsome in size and rich in colour. His method of staging, too, and the sumptuous array of flowers always command attention. *Enchantress Supreme*, *Carola*, *Marmion* (scarlet and white, very striking), *R. F. Felton* (pink), *Salmon Enchantress*, *Mikado* (deep mauve), the scarlet-flowered *Mrs. C. F. Raphael* (whose large, *Malmaison*-like flowers are ever a feature of Mr. Burnett's exhibits), and the powerfully clove-scented *Mrs. W. B. Clode* were some of the best in a really superb lot. The silver Flora medal awarded was well merited.

Messrs. R. Tucker and Sons, Oxford, had a neat rock and alpine exhibit, on which were noted some of the rarer *Saxifrages*, as *Paulineæ*, *burseriana Gloria*, *Haagei* (yellow), the rarely flowered *juniperina*, *apiculata* and its white form, *Elizabethæ*, *dalmatica* and *rocheliana*. *Primula Winteri* was also good, the rich blue of *Omphalodes cappadocica* being also noted. Bronze Flora medal.

Mr. Amos Perry, Enfield, was awarded a bronze Flora medal for a collection of hardy Ferns, chiefly of *Polystichums*, *Polypodiums* and *Scolopendrium*s, interspersed with *Hepaticas*, *Winter Aconites*, *Iris reticulata*, *Muscari azureum* and *Saxifraga oppositifolia* in variety. The handsome *Shortia* (see "New and Rare Plants," page 129) was also in this group.

Bakers, Wolverhampton, had a fine grouping of *Primula denticulata* and *alba*, *Draba aizoides*, *Iris reticulata*, *Shortia*, *Primula marginata* and other plants. Bronze Flora medal.

Messrs. Piper, Bayswater, also had a rock garden exhibit, on which a great variety of *Saxifrages* were freely grouped. The more attractive were *oppositifolia*, *burseriana Gloria*, *scardica* and *Elizabethæ*. Such *Primulas* as *Juliae* and *denticulata* in variety were good. The curious and interesting *Ribes laurifolium* was also noted. Silver Banksian medal.

Still another rock and alpine exhibit came from Messrs. Waterer, Sons and Crisp, Bagshot and Twyford, the good grouping, both of alpine and shrub, placing it head and shoulders above many others of its class. A great feature was made of *Saxifraga oppositifolia splendens*, a carpeter whose wealth of reddish purple flowers renders it one of the most valuable at the moment. *S. burseriana Gloria*, *Eranthis cilicica*, *Chionodoxa*, *Hepatica*, and the blue-flowered *Omphalodes cappadocica* were also good. Silver Flora medal.

The gold medal group of forced bulbous and other greenhouse flowers sent by Lady Tate, Streatham Common (gardener, Mr. W. Howe), was the outstanding feature of an interesting and good meeting. Valuable by reason of the object-lessons it afforded—good cultivation, staging and the like—it was even more so at this time of national crisis as demonstrating the high patriotic principle of "Business as Usual" which we have so frequently urged in these columns. From this point of view we should like to see many more of such exhibits, those outward and visible signs that horticulture in this country is an institution to be sustained at its highest level. In these circumstances the exhibit in question was of exceptional interest, as it was also full of merit. Mr. Howe has previously staged fine groups of these flowers, though

on this occasion he surpassed himself. Selecting a double-sized table, low placed, tall, slender-growing *Junipers*, surrounded by groups of *Callas*, *Erlangea tomentosa* and other things, occupied positions at intervals through the centre; these, in turn, grouped around with distinctive varieties of *Daffodils*, one variety being employed in each case. Between these principal central groups were freely arranged a great variety of *Tulips* and *Hyacinths* in many shades of colour, the lower placing of these creating a pleasing effect and imparting an undulating character to the whole. *Ferns*, *Clivias* (*Imantophyllum*) and *Primula kewensis* (very fine) were other plants that imparted variety and beauty. We welcome the exhibit for the reasons already given, and we trust the example will stimulate owners of gardens generally to do likewise in other departments.

Mr. L. R. Russell, Richmond, was the recipient of a silver-gilt Flora medal for a particularly good table of forced shrubs and other plants. The white and coloured forms of the *Mezereon* (*Daphne Mezereum*) were as full of flower as of fragrance. *Wistaria sinensis* was a great charm and well grown. *Azaleas* of the Indian and mollis sections both gave colour-beauty and variety. *Lily of the Valley* was seen in fine condition. *Erica codonodes Veitchii* was very pretty, while *Aucuba*, *Eurya* and *Skimmia* also played a part.

Mr. George Prince, Oxford, received a silver Banksian medal for a group of *Roses* which attracted everybody, and at times it was almost impossible to get near his stand. *Fortune's Yellow* in the background was in plenty, and a great charm withal. On its two sides were sprays of the *Yellow Banksian*, rather profusely flowered, yet minus the floral display of the central part of the picture. In other directions the renowned *Mme. Edouard Herriot* (superbly coloured), *Juliet*, *Lady Roberts*, *Lady Waterlow* (a fine pink), *Anna Ollivier*, *Old Gold* and many others were arranged. The group was much admired. Obviously everybody loves the *Rose*.

Mr. M. Prichard, Christchurch, Hants, again showed a collection of a hundred or more varieties of *Saxifrages*, several of the *burseriana* forms being in flower; also *Faldonside*, *Haagei*, *apiculata* and its white form, and some others. In addition, hardy *Heaths*, the true *Pompador Primrose*, *Shortias* and a well-flowered lot of *Soldanellas* were also noted. Bronze Banksian medal.

Messrs. Cannell and Sons, Eynsford, Kent, staged a singularly bright and effective lot of winter-flowering *Zonal Pelargoniums*, some two dozen well-filled vases being set up. *Maxime Kovalevsky* (the intense orange salmon) was very conspicuous. *Naples* (deep scarlet), *Scarlet King* (a very fine variety) and *Mercury* (orange scarlet) were included.

A small exhibit of *Carnations* was staged by the Misses Price and Pye, East Grinstead, Kenneth (fancy), *Champion* (scarlet) and *Mikado* (heliotrope) being noted.

Messrs. R. H. Bath, Wisbech, showed a considerable variety of *Hyacinths*, *Tulips* and *Daffodils* grown in bowls of fibre, a very considerable measure of success being attained. The *Chequered Fritillary* (*Fritillaria Meleagris*) and its white variety were also similarly grown with like results.

Messrs. Herbert Chapman, Limited, Rye, contributed a considerable variety of hybrid *Freesias*, of which *Multi-colore* (of rose and white chiefly) and *Champion* (light and deep orange) were the more conspicuous. Hybrid bulbous *Irises*, too, were in some variety, a fine pan of the beautiful blue-flowered *Cantab* being shown.

Messrs. Stuart Low and Co., Enfield, displayed a large table of *Carnations*, together with *Acacias*, white and coloured *Cyclamen*, *Daphnes*, and the pretty white-flowered *Erica codonodes Veitchii*. The *Carnations*, however, constituted the chief item. Silver Banksian medal.

The Misses Hopkins, Shepperton-on-Thames, had a variety of early hardy flowers, as *Snowdrops*, *Hepatica*, *Anemone*, coloured *Primroses* and others.

Messrs. Carter and Co., Raynes Park, had an exhibit of some of their choicest *Primulas*, of which *Princess May* (pink flowered) is one of the finest. *Holborn Coral*, *Bouquet White* (distinct and valuable) and *stellata Fairy Queen* were also shown separately in group form. The groups were divided, backed and flanked by a free-flowered lot of *Primula malacoides*. Bronze Flora medal.

Mr. Clarence Elliott, Stevenage, had a superb bank-like grouping of *Saxifraga burseriana Gloria*, some 150 well-flowered examples being thus shown in perfection. The variety certainly dominates the *Burser* set. *S. Faldonside*, *S. Kotschyii* and *S. Boydii alba* were also noted. Perhaps the gem of the *Saxifrages*, however, was *S. burseriana rosea*, a diminutive beauty with pinkish flowers and deeper-coloured base. It was hardly at its best. Silver Banksian medal.

Messrs. Cutbush and Sons, Highgate, N., showed a very fine table of forced shrubs, *Carnations* and hardy flowers. The form included *Lady Linlithgow* (a *Perpetual Malmaison* with pink flowers), *Viscountess Goschen* (rose), *King George* (scarlet) and *My Queen*. The *Magnolias* in the shrub group were very freely flowered. *Tulipa kaufmanniana* was very beautiful among hardy plants. Silver-gilt Banksian medal.

Messrs. W. Wells, Limited, showed *Carnations* *Pink Sensation*, *Good Cheer*, *Philadelphia*, *White Wonder*, *Champion*, *Yellow Stone* and *Enchantress Supreme*, all high-class varieties. Bronze Banksian medal.

Messrs. H. B. May and Sons, Edmonton, displayed an extensive floor group of well-flowered *Azalea indica* in variety, *Cinerarias*, *Calla alcasiaefolia*, together with *Palms* and *Ferns*. Silver Flora medal.

Messrs. Sutton and Sons, Reading, filled a table with a score of baskets in as many varieties of the choicest strains of *Primula sinensis*, the whole making a very



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BY EDEN PHILLPOTTS. Cheap Edition 6/- Net, by post 6/6

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considerable display. The finest of the lot, perhaps, and a decided gain, is the intense crimson-flowered Prince of Wales, whose great attribute is that the colour remains good to the end and never fades. In these and other respects it is an advance on Crimson King and others of its class. Royal White, Giant White, Brilliant King, The Czar (violet), Reading Blue, The Duchess and Ivy-leaved Duchess were some others noted in a particularly good lot. Silver Flora medal.

Messrs. James Box, Lindfield, had a pretty display of hardy flowers, such as Anemone blanda, double Primroses, Hepaticas, Saxifrages in variety, Soldanellas and others being freely shown. Tulipa kaufmanniana and double blue Hepatica were very beautiful.

Messrs. J. Cheal and Sons, Crawley, showed an exhibit of rockwork with alpine plants and shrubs, Rhododendron Jacksonii being very nicely in flower. Saxifrages, Anemones and Viola gracilis were noted.

Miss C. M. Dixon, Edenbridge, Kent, had an artistic arrangement of Hyacinths, Daffodils and Primula malacoides.

Messrs. J. Webber and Sons, Minehead, showed the new Violet Queen Mary, a blue sport from Comte de Brazza.

Messrs. G. and A. Clark, Limited, Dover, contributed Primroses, Polyanthus and other hardy flowers.

Mr. G. Reuthe, Keston, Kent, showed a remarkable collection of hardy flowers, many of much interest and beauty. Saxifrage, Snowdrop, Snowflake, Winter Aconite, Chionodoxa and hardy Heaths were in plenty, though perhaps the most interesting of all were the pots of winter-flowering Crocuses, of which the intense violet-coloured C. aerius, C. Imperati and C. I. alba were some of the more conspicuous.

#### SCOTTISH HORTICULTURAL ASSOCIATION.

A WELL-ATTENDED meeting of this association was held in the hall, 5, St. Andrew Square, Edinburgh, on the evening of March 2. The president, Mr. W. G. Pirie, Dalhousie Castle Gardens, occupied the chair. The exhibits included an interesting collection of vegetables from Mr. James W. Scarlett, Sweethope, Inveresk, comprising Matchless Greens, Darlington Brussels Sprouts, Ormskirk Savoys, Early Giant Leeks, Rhubarb, Beet, and M'Ewan's Early Cabbages. Mr. F. Fulford, Montgomerie Castle, Ayrshire, sent Cyclamen; and from Mr. John Downie, nurseryman, Edinburgh, there came Adiantum farleyense.

Dr. J. H. Wilson, lecturer, St. Andrews University, gave a lantern lecture on the "Mountain Plants of California," illustrated with slides from photographs taken on the spot and by specimens collected during the lecturer's travels among the Californian mountains. Dr. Wilson gave a deeply interesting lecture, dilating upon the beauty in their native lands of many flowers we know in gardens only in this country. He touched upon many of the plants familiar to us in gardens, and gave interesting details regarding them in their native mountains. The lecture was listened to with rapt attention, and Dr. Wilson was warmly thanked.

#### OBITUARY.

##### CAPTAIN JOHN HOPE, R.N.

CAPTAIN JOHN HOPE, R.N., of St. Mary's Isle, Kirkcudbright, who died at the age of seventy-two on February 27, was the owner of one of the finest and best-known of the gardens of the South-West of Scotland. Succeeding to the estate in 1893, Captain Hope soon showed a warm interest in his garden, and its natural and acquired beauties were greatly developed in his time under the charge of Mr. James Jeffrey, sen., his gardener. Captain Hope took an exceptional interest in Roses, but his horticultural tastes were not exclusive, and other subjects were favourites as well. He was also an excellent photographer of plants and flowers. Captain Hope was well known as a good landlord and employer, and his loss to the neighbourhood will be greatly felt by many of all classes.

**Carlisle and Cumberland Horticultural Association.**—The show of this association will be held in the Market Hall, Carlisle, on August 25 and 26. The schedule of prizes will be as arranged

for the 1914 show, cancelled on the declaration of war. It is intended to organise the show with a view to raising money for the war funds.

#### CATALOGUES RECEIVED.

Mr. H. N. Ellison, 5 and 7, Bull Street, West Bromwich: Seeds and Bulbs.  
Messrs. Phipps and Ireland, Alpine Nursery, Barnham, Sussex: Alpines, Rockery Plants, Shrubs, &c.  
Messrs. Watkins and Simpson, Limited, 12, Tavistock Street, Covent Garden, London, W.C.: Vegetable and Flower Seeds.

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By E. T. COOK

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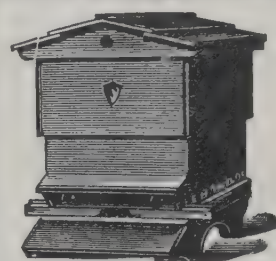
keeps the productive power of your ground at high pressure. It doubles and trebles the yield by its rich diffusion of food throughout the soil. It is food—real food for plants and soil alike. :: Carmona is the very essence of good plant food.

Prepare your seed beds with Carmona, and gain your share of 1,050 Pounds.

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**ROBINSON BROS., LTD.,**  
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From all Seedsmen, in tins, 6d.,  
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MADE OF HAIR & WOOL 2 YD 3 YD 4 YD WIDTH  
TO BE HAD OF ALL NURSERYMEN  
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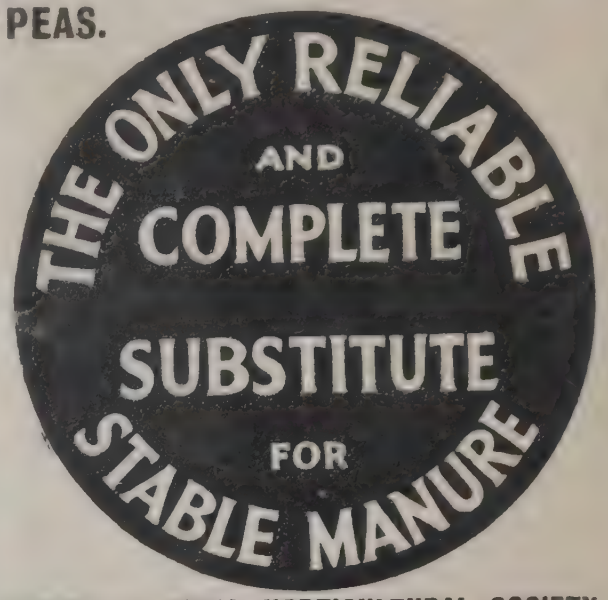
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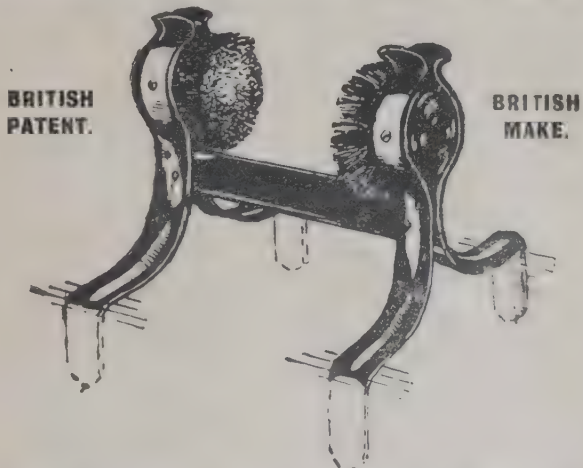
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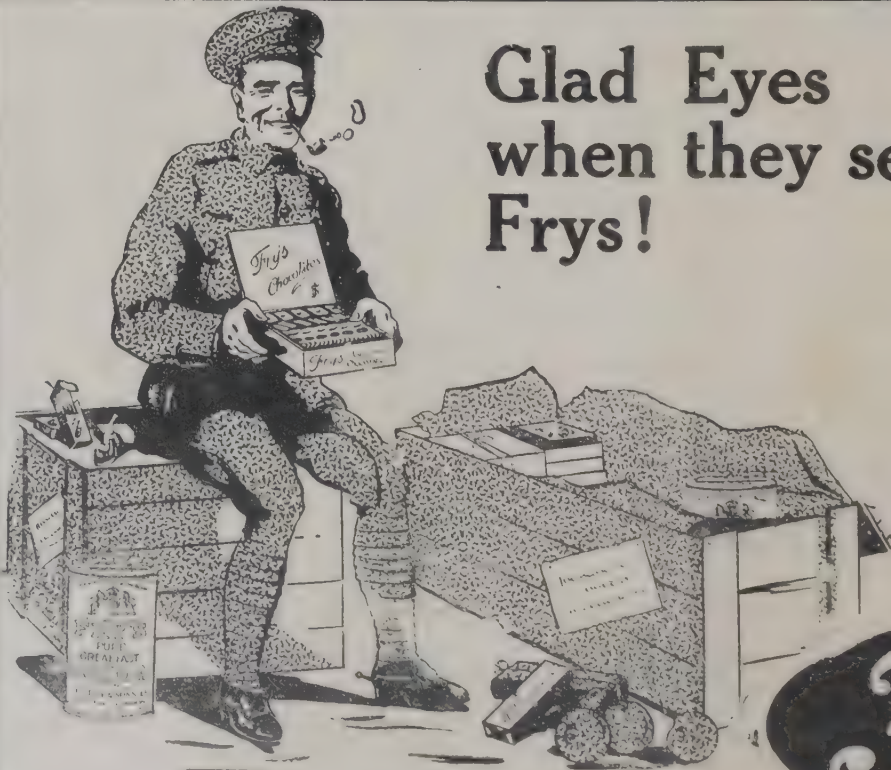
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A WEEKLY ILLUSTRATED JOURNAL FOR GARDEN ORCHARD AND WOODLAND

140

LXXIX.—No. 2261.

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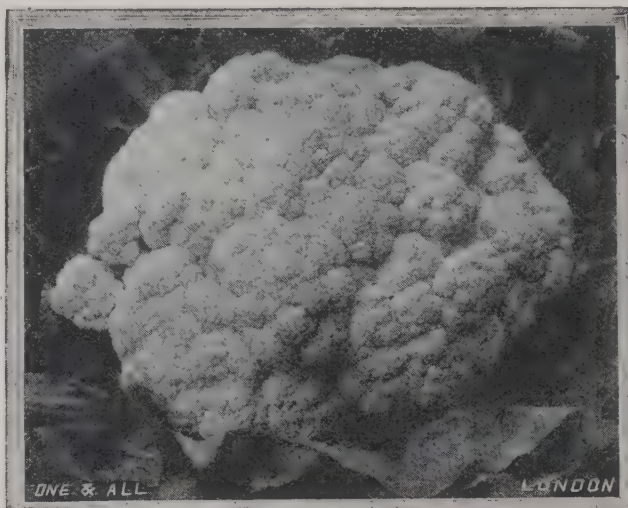


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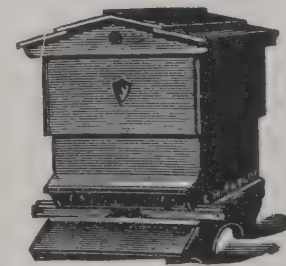
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Open to Private Exhibitors employing two or more gardeners.

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Second, £25 ; Third, £20 ; Fourth, £15 ; Fifth, £10 ; Sixth, £5.

**CLASS D.**—For the best Collection of 3 distinct Vegetables :

Open to all employing no extra help.

**First Prize, £100.**

Second, £25 ; Third, £20 ; Fourth, £15 ; Fifth, £10 ; Sixth, £5.

**CLASS B.**—For the best Collection of 6 distinct Vegetables :

Open to Private Exhibitors employing a single-handed gardener only.

**First Prize, £100.**

Second, £25 ; Third, £20 ; Fourth, £15 ; Fifth, £10 ; Sixth, £5.

**CLASS E.**—For the best Collection of 4 distinct Vegetables :

Open to Public Institutions, Schools, School Gardens, etc.

**First Prize, £100.**

Second, £25 ; Third, £20 ; Fourth, £15 ; Fifth, £10 ; Sixth, £5.

**CLASS C.**—For the best Collection of 4 distinct Vegetables :

Open to Exhibitors who do not keep a regular gardener, but may employ occasional help.

**First Prize, £100.**

Second, £25 ; Third, £20 ; Fourth, £15 ; Fifth, £10 ; Sixth, £5.

**CLASS F.**—For the best Collection of 6 distinct Vegetables :

Open to Market Gardeners and those professionally engaged in horticulture.

**First Prize, £100.**

Second, £25 ; Third, £20 ; Fourth, £15 ; Fifth, £10 ; Sixth, £5.

**NOTE.**—Boys under 16 are not reckoned as gardeners or help.

A Complete List of Vegetables for selection, with the number of specimens to be shown, will be published in the “DAILY MAIL” within a few days.

The details above are liable to variations, which will be notified in the “Daily Mail.”

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**NOTE.**—Retailers of Seeds are invited to apply for Artistic Window Bills embodying the above information. Apply Vegetable Prize Dept., “DAILY MAIL,” 130, Fleet Street, London, E.C.



## ROYAL HORTICULTURAL SOCIETY.

## FLORAL COMMITTEE.

Present: H. B. May, Esq. (chairman), the Rev. F. Page-Roberts, and Messrs. W. A. Bilney, F. W. Harvey, R. Hooper Pearson, J. Hudson, J. Green, W. J. Bean, G. Harrow, J. W. Moorman, T. Stevenson, C. R. Fielder, W. Howe, C. E. Pearson, J. Dickson, C. Dixon, A. Turner, C. E. Shea, W. Cuthbertson, W. P. Thomson, E. H. Jenkins and G. Paul.

Messrs. Barr and Sons, Covent Garden, W.C., staged a particularly interesting lot of alpine and early flowering plants, in which Crocus vied with Hepatica, and the earliest of the miniature Daffodils with Saxifrage, Chionodoxa or other plants. Tufts of Saxifraga apiculata, carpets of Cyclamen and Grecian Windflower, Fritillaria armena, F. a. rubra and the ever dainty Narcissus minimus were among showy things, the more dainty including Saxifraga Faldonside, Soldanellas and other choice early flowers. Narcissus King of Spain and N. Queen of Spain were much in evidence, with miniature-flowered Hyacinths, Trilliums and the like. Iris stylosa in variety was very beautiful.

Messrs. George Bunyard and Co., Maidstone, displayed a bank of alpine, in which several good forms of Saxifraga burseriana were noted, together with S. Elizabethae, S. Faldonside, S. apiculata and its white form, S. kestonensis (white) S. coriophylla and several forms of S. oppositifolia. Hepaticas were very beautiful, in fine clusters and some variety.

Messrs. Stuart Low and Co., Enfield, staged many interesting species of Acacia, together with a rich display of Cyclamen in several shades of colour, a well-flowered batch of Erica Veitchii, the fine white Hydrangea Mme. Moulière, a goodly group of Carnations and some delightful Roses, which included Queen Mary, Lady Hillingdon, Joseph Lowe and Richmond, all of which were in charming condition.

Messrs. H. B. May and Sons, Edmonton, arranged a table of flowering and foliage plants, the former including a large display of Azalea indica in variety, the indispensable A. vancouveriana being prominent. A goodly batch of Calla alocasiaefolia, with a central grouping of Clematis in variety; Cinerarias, Genista racemosa and Boronia megastigma, were in prominent groups as a foreground to Palms and Ferns.

Messrs. Sutton and Sons, Reading, arranged a double space near the entrance, entirely composed of white Italian Hyacinths, bedded in a groundwork of Maidenhair Ferns, the undulating character of the group having a decidedly pleasing effect. A central grouping of the new Freesia Excelsior (of primrose yellow shade) showed this fine novelty to advantage. Light, graceful Palms were freely employed with good effect.

Messrs. R. and G. Cuthbert, Southgate, N., arranged a table of Tulips and Hyacinths in pans, which afforded a bright display. Of the Tulips, Rose Luisante, Couleur Cardinal, Nellie (white) and La Remarquable were the best. Of Hyacinths, the pure white Corregia, Schotel (porcelain blue), La Victoire (red), City of Haarlem (yellow) and Jacques (bluish) were of outstanding merit.

Messrs. Dobbie and Co., Edinburgh, arranged a remarkable collection of Crocuses, some twenty-five of the more distinct sorts being staged in 15-inch wide boxes in 5-feet long lines. In this way, decorative effect was secured and one of the chief purposes of an exhibition—the object-lessons all such should contain—achieved. Six good ones are Kathleen Parlow (white), Mikado (the best striped), Pollux (fine purple), Snow White, Julie Culp (purple) and Maximilian (mauve).

Mr. L. R. Russell, Richmond, again showed a table of berry-bearing and flowering shrubs, in which the white and red Mezaron, Prunus triloba, Erica Veitchii, Lilacs of sorts and Wistaria sinensis (nicely flowered) were shown with hardy Heaths, Skimmia, Aucuba vera and other interesting plants.

Mr. H. Burnett, Guernsey, again had a remarkable display of Carnations, the flowers of enormous proportions and finely coloured withal. The flowers of Mrs. C. F. Raphael were of great size, far exceeding those of a large Mulmaison, the rich colour adding a considerable attraction. Carola, Scarlet Carola, Mary Allwood, Marmion, Queen Alexandra, Mikado, R. F. Felton and Salmon Enchantress were all very fine.

Messrs. Baker, Wolverhampton, had an excellent exhibit of alpine and allied plants, the displays of Primula denticulata and its pure white variety being quite remarkable. Ranunculus montanus gave a rich carpet of golden yellow, which, with Primula Juliae, Adonis amurensis flore pleno, Saxifrages and the like afforded a very fine display.

Messrs. J. Cheal and Sons, Crawley, showed rock plants and shrubs, the group including Anemones, hardy Heaths, Primroses in variety, Lithospermum prostratum, Mezereon, Dog's-tooth Violets, Saxifrages and other early hardy flowers. Daphne Cneorum was very beautiful.

The table of greenhouse Ferns from Messrs J. Hill and Sons, Barrowfield Nurseries, Lower Edmonton, was of exceptional merit, and included many choice specimens. Prominent among these were Polystichum capense, Platycerium grande, Gleichenia longipinnata, Brainea insignis, Balantium Culcita, Ptelea ternifolia, Gymnogramma schizophylla, Pteris palmata, Polypodium conjugatum and Onychium auratum.

Messrs. T. S. Ware, Limited, Feltham, had a considerable table length of alpine, in which a great variety of Saxifrages, double Primroses, Trillium sessile rubrum, Anemone Pulsatilla, A. blanda Ingramii, Primula Juliae, Epigaea repens, Saxifraga Grisebachii, S. Faldonside, S. apiculata alba, Androsace carnea, Iris stylosa, I. reticulata and other things were delightfully shown.

Messrs. William Paul and Sons, Waltham Cross, had a collection of some thirty-two varieties of Camellias, old-time favourites which have not as yet lost all their

charm. Messrs. Paul invariably show these plants in perfection, and on the present occasion were by no means behind their usual standard of excellence. Some good semi-double varieties were Mercury, Apollo, Jupiter, Corallino, Vesta, conspicua and Do ckelaari; while of doubles, alba plena, Marchioness of Exeter (red), Dona Camilla de Faria (white), Duchess of Teck (rose), Pride of Waltham (a lovely shade of pink), Contessa de Hainaut (pink, very formal-looking, though very charming), Commendatore Bettii (scarlet) and Countess of Derby (rose pink) were some of the most charming. The entire lot was superbly grown and well flowered.

Mr. Amos Perry, Enfield, had a mixed grouping of alpine plants and Ferns, the latter at the front and back constituting a distinctive feature to a good group. Chief among alpine were Saxifraga oppositifolia pyrenaica, Primula Juliae, Saxifraga rochelliana coriophylla, Shortia uniflora grandiflora rosea, Iris reticulata, Primula viscosa nivea and Megasea Stracheyi. Primula marginata was very beautiful.

Mr. George Prince, Oxford, had a glorious display of Roses, in which such as Irish Elegance, Juliet, Niphetos, Yellow Banksian, Fortune's Yellow (a very charming lot), Lady Hillingdon, Mme. E. Herriot (a lovely bit of colour), White Killarney, Harrisoni (yellow), Seagull (white Climbing Polyantha, fragrant, a charming thing) and Snow Queen were among the best in a very fine lot.

Robert Sydenham, Limited, Birmingham, had a particularly fine batch of Freesias, Lily of the Valley, trumpet Daffodil Cornelia, with Hyacinths, Tulips and other things growing in prepared fibre. The plants were delightfully flowered and in the pink of condition.

Messrs. Allwood Brothers, Hayward's Heath, showed a lovely lot of Carnations, beautifully displayed in handsome vases. Some charming varieties were Mary Allwood (of which there were a large number of flowers), Mrs. C. F. Raphael, Rosette, Wivelsfield White, Fairmount (the deepest of the heliotrope set), Salmon Enchantress, Gorgeous (very fine) and Philadelphia.

Messrs. R. H. Bath, Limited, Wisbech, had a glorious display of bulbous flowers, particularly of Chionodoxa sardensis, in the cut state, the rich masses of blue being effective in the extreme. Hepaticas, too, were very charming, while the display of bulbous flowers in bowls merited much attention.

The Misses Hopkins, Shepperton-on-Thames, showed rockwork with alpine plants, such things as hardy Heaths, Primroses and Daisies being freely displayed.

Mr. Clarence Elliott, Stevenage, again showed a delightful exhibit of alpine on rockwork, Saxifrages being the chief of the things displayed. Of Saxifrages alone, Elizabethae, apiculata, burseriana Gloria, Faldonside, apiculata alba, Haagei and Irvingii were among the chief. Soldanellas were very pretty. Quite a delightful grouping of the choicest and best.

Mr. G. W. Miller, Wisbech, showed Daisies, Primroses, Hepaticas and other early hardy flowers.

Messrs. R. Tucker and Sons, Oxford, had a very beautiful rockwork exhibit charmingly planted with the choicest alpine. Saxifraga L. G. Godseff, S. marginata, S. Elizabethae, S. sancta, S. rochelliana, S. macedonica (rich yellow), S. apiculata, S. Haagei, S. Paulinae, with Soldanellas and Morisia hypogaea were all very beautiful.

Mr. G. Reuthe, Keston, showed a great variety of alpine and shrubs. Hardy Heaths, Saxifrages, Hepaticas, Irises, Croci and the dwarfest Daffodils were alike beautiful and much admired.

Messrs. Cannell and Sons, Eynsford, again showed their fine strains of Cyclamen and Zonal Pelargoniums, the latter rich in variety and colour beauty.

Messrs. William Cutbush and Sons, Highgate, N., contributed a table of flowering shrubs, alpine and Carnations, the latter including the scarlet Mrs. L. Mackinnon, My Queen, King George, Carola, Sunstar (yellow) and Lady Ingestre (fine pink). Tulipa Greigii and Iris reticulata were good among the alpine.

Mr. Maurice Prichard, Christchurch, again brought a great collection of Saxifrages of the choicest description, S. oppositifolia R. M. Prichard being one of the most beautiful. Primula viscosa, double Primulas, Shortias and Soldanellas were also good.

Messrs. Piper, Bayswater, contributed a rock garden with pool, on which a great variety of alpine were freely grouped.

Messrs. W. Wells, Limited, Merstham, had a fine lot of Carnations, of which Pink Sensation was an outstanding feature. Champion (rich scarlet), Yellow Stone, and Mrs. G. Lloyd Wigg (white) were also excellent.

Mr. James Box, Hayward's Heath, showed Trillium rivale, Hepaticas, Tulipa kaufmanniana and Iris orchoides caerulea very charmingly.

## FRUIT AND VEGETABLE COMMITTEE.

Present: J. Cheal, Esq. (chairman), and Messrs. W. Bates, A. Grubb, E. A. Bunyard, H. J. Wright, J. Davis, A. Bullock, G. Reynolds, James Vert, P. C. M. Veitch, J. Harrison and Owen Thomas.

Mr. J. Walters, Wokingham, had about four dozen dishes of Apples in excellent condition. Cox's Orange Pippin, Annie Elizabeth, Eearn's Pippin, Claygate Pearmain, King Edward VII. and Dumelow's Seedling were among the best.

Mr. G. W. Muller, Wisbech, had a nice lot of The Sutton Rhubarb, a variety of brilliant colouring.

## ORCHID COMMITTEE.

Present: J. G. Fowler, Esq. (chairman), Sir Jeremiah Colman, Sir Harry J. Veitch, and Messrs. J. O'Brien, W. Bolton, Gurney Wilson, J. Wilson Potter, F. Sander, R. G. Thwaites, C. Cookson, F. J. Hanbury, Pantia Ralli, W. Cobb, R. A. Rolfe, J. Charlesworth, J. Cypher, W. P. Bound, A. Dye, H. G. Alexander, W. H. White, C. J. Lucas and R. Broomham White.

Messrs. Sander and Sons, St. Albans, had a lovely lot of Cymbidium Sanderi (of rosy colouring), C. gottianum, C. Butterfly and others. Dendrobium harveyanum (golden yellow fringed flowers) and D. wardianum (of which alone there was a fine display) made quite a feature. Lycaste Janet Ross (primrose and crimson) was very fine.

Messrs. Hassall and Co., Southgate, had choice Cattleyas and the handsome Angræcum sesquipedale among many others.

Messrs. J. and A. McBean, Cooksbridge, showed Odontiodas, Cypripediums, Odontoglossums and Cymbidiums in variety.

Messrs. Charlesworth and Co., Hayward's Heath, showed Angræcum citratum (white), Odontoglossum Dora, O. eximium, Brasso-Cattleya vilmoriniana (rosy sepals and yellow lip) and Odontoglossum armainvillieriensis Xanthotes (white) in a very beautiful lot.

Messrs. Stuart Low and Co., Enfield, showed Brasso-Cattleya Menda, Sophronitis grandiflora, Odontiodas in variety, Dendrobium nobile virginale, Miltonia bleuana rosea, with choice Odontoglossums and Cattleyas.

Mr. Harry Dixon, Wandsworth Comm on, staged Brasso-Cattleyas, Odontoglossums and Cymbidiums in variety.

## NARCISSUS COMMITTEE.

The exhibits staged for the consideration of this committee will be dealt with by the Rev. J. Jacob in our next issue.

## EAST ANGLIAN HORTICULTURAL CLUB.

At the March meeting of this club a most interesting paper upon "Flowers for Cutting" was contributed by Mr. F. Williams, gardener to Louis Tillet, Esq., Old Catton. The paper was a most practical exposition of the use of perennials and annuals for this purpose. A good discussion followed, the president (Mr. John Clayton) in the course of his remarks thanking the writer and commending him for his first essay. There was a very nice exhibition of flowers, fruit and vegetables, special praise being due to Mr. John H. Colman, Bracondale, for his Cyclamen plants, which received a cultural commendation card; and also to Mr. W. Shoesmith, gardener to F. W. Harmer, Esq., Cringleford, for his fine piece of Cologne cristata and his bold display of Snowflakes.

## UNITED HORTICULTURAL BENEFIT AND PROVIDENT SOCIETY.

THE monthly committee meeting of this society was held in the Royal Horticultural Society's Hall on Monday, March 8, Mr. Arthur Bedford presiding. Two new members were elected. Five members were allowed to withdraw double the amount of interest, amounting to £15 15s. 6d. The death of the late Mr. F. J. Heale was received by the committee with deep regret, the late member being the society's first secretary. The death certificates were also produced of three other old members, and the amounts passed for payment to their nominees were as follow: £45 14s. 8d., £42 0s. 3d., £31 4s. 2d. and £8 6s. 9d. One member was granted assistance from the Distress Fund, and one was allowed £1 10s. from the Convalescent Fund. The sick pay for the month on the ordinary side was £95 5s. 2d., and on the State Section £38 5s., and maternity claims amounted to £16 10s. The treasurer presented the financial statement, which, in spite of the heavy payments, was very satisfactory, £585 4s. 7d. being the balance at the bank. The secretary reported that the accounts on both sides of the society had been audited and found correct. The draft of the committee's annual report was submitted. The same will be presented at the annual meeting on April 12, when it is hoped that every member who can will attend. Mr. Charles H. Curtis will preside.

## READING GARDENERS' ASSOCIATION.

THIS association held its usual fortnightly meeting at the University College (by kind permission) on Monday of last week, when Alderman F. B. Parfitt presided over a good attendance. The lecturer was Mr. T. W. Herbert of Nutfield Park Gardens, delegate from the kindred association at Redhill, and his subject, "Hardy Fruit Culture." The lecturer stated that when he went to Nutfield Court twenty-five years ago, he was told that it was not possible to produce good fruit there owing to the lightness of the soil. He had, however, proved this to be a fallacy, and had gathered during the past year over two hundred bushels. The method he had adopted to obtain this result he described in a most practical manner. He gave full cultural details for Apples, Pears, Plums, Peaches, Nectarines, Cherries, Raspberries, Currants, Gooseberries and Strawberries. Mr. Herbert said he was a great believer in keeping the roots of fruit trees near the surface of the soil, and then heavily mulching with farmyard manure in May. In this way he had been able to combat canker in Apples usually affected with it. The different methods of pruning, spraying, pests and their treatment were all dealt with in turn. The lecturer also gave the names of the varieties he found most suitable. A good discussion followed the paper, and Mr. Herbert was accorded the best thanks of the association for his interesting subject.

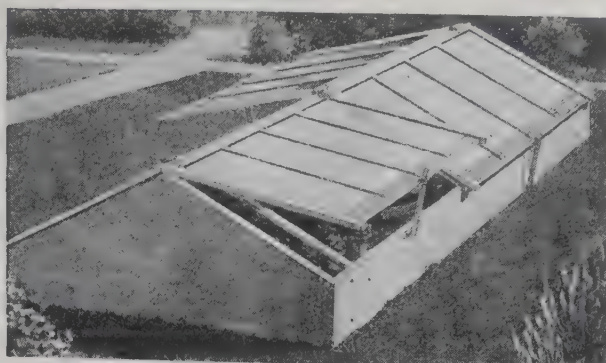
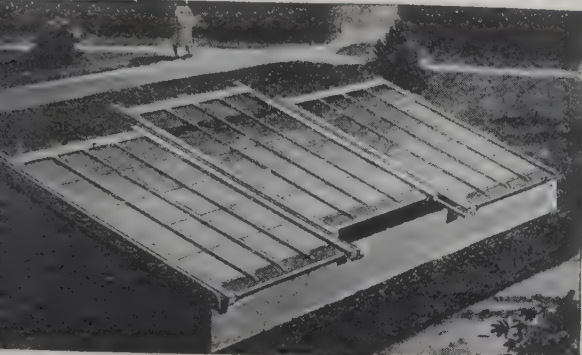
The exhibits were very fine, and in the points competition, Class 1, Mr. Townsend was awarded 12 (full points) for Violets, Mr. Blackwell 11 for Violets, and Mr. H. Goodger 7½ for Cinerarias; while in Class 2 Mr. F. Haines was awarded 9 points for Violets. The association certificate was also awarded to Mr. H. Reeves for a well-grown batch of Freesias, and to Mr. F. Townsend for a collection of very fine Hyacinths. The judges also remarked upon the very fine condition and colour of four dishes of Apples exhibited by Mr. T. W. Herbert.



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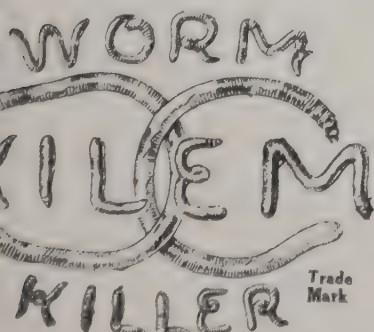
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IT IS NOT OFTEN that a leading London journal expresses regret that a book was not published years ago. The "Morning Post," however, did so in the case of

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and added that "One cannot speak in too high praise of the book."

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BIRMINGHAM AND MIDLAND COUNTIES  
GARDENERS' ASSOCIATION.

THE society may consider itself extremely fortunate in securing for a third time the excellent services of Dr. Jessie Bayliss Elliott, who on February 22 gave, at the Athletic Institute, a thoroughly instructive lecture entitled "Co-operation Among Plants." At a time like the present, when so many things are said about antagonism, the struggle for existence, and survival of the fittest in plant life, she thought the idea of co-operation between plants appeared quite feasible, for, of course, the case of parasites and their hosts is very familiar to us. On many plants there are incrustations—some flaccid spasms, and, again, in others compositions of various greens may be discovered. Side by side, too, on roofs may be found the fungus forming the creatine, and the alga that flourishes at the advantage of the other, each contributing to one another's advantage, the former secreting the water so necessary to the alga, and the latter supplying the starch that is essential to the fungus. By a series of beautifully prepared lantern slides the numerous fungi were compared, some having been raised in the doctor's own experimental beds, while others had been found growing in conjunction with and thriving upon Beech, Oak and Poplar trees situated amid exquisite forest surroundings. Those gelatinous forms and cup-shaped structures, such as the Reindeer Moss, which is prevalent in Wales, were among them. At or near the roots of most forest trees the process of co-operation is easily perceptible. An examination of the humus at these roots will disclose the root hairs to be smothered in fungus at the apex, establishing itself inside the roots, its function being to obtain the starchy material in exchange for protein (or nitrogenous food) conveyed by it to its host. It is upon this nourishment, likewise, that the seedlings depend. Again and again experiments relative to this have disclosed, in cases of sapling trees, that only those with coatings caused by a web of fungus around the roots will live and thrive. Truffles, also, are intimately connected with the Oak, to which they are of absolute necessity. Orchids certainly are dependent on the fungus. Many of these splendid flowers growing in their own lands possess clinging roots whereon all sorts of spongy matter accumulates, and there is, therefore, a coil of fungus in order to permeate the *débris* of decay, thus penetrating the leaves for nourishment. Lichens as well came in for reference, after which the important subject of co-operation among growing plants and bacteria was introduced. A slide depicted two Vetches grown in pots. One, it could be seen, was flourishing abundantly in a soil full of bacteria; but the other, in a specially sterilised soil from which the fertilising bacteria had been destroyed, was far from healthy. Incredible as it may seem to the unsuspecting eye, it is nevertheless true that the glorious Orchid is from its infancy dependent on the bacteria with which its nodules teem, for, unless they are present in the soil, the Orchid will not grow. Nor is this co-operative idea confined to plants and fungi only; animals also are concerned. As an instance the Bull's-horn Acacia affords a suitable dwelling for ants, who, entering usually at the accessory bud, obtain protein and a habitation in the tree's trunk, and in exchange they ward off the ravaging leaf-cutting ant, for Nature has equipped them with the means. The cold seasons, however, enable the invaders sometimes to gain advantage when the ants are in a weak state; then damage is in store for the tree. Still, more often than not the protectors finally return and dispel the enemies. The sea, too, gives instances. At ebb tide on the coast of Brittany green patches are often seen. These are due to quantities of fat worms infested with co-operative algae that have entered into the worm's system, sealed up its mouth, finally deprived it of its life, and utilised its matter for sustenance. Unfortunately, the above brief remarks hardly do proper justice to so fine and lengthy a lecture, and we can only express further the remarks made in the vote of thanks proposed by Mr. A. R. Brown and seconded by Mr. J. Palmer, that another lecture from Dr. Bayliss Elliott will be looked forward to by many with much interest.

SNOWDROPS & ACONITES  
IN A WOOD.

**A** GARDEN should, if possible, merge into a wood, where formality ceases and flowers are allowed to grow as Nature intended. The trim, machine-mown lawns, probably bounded by a gravel walk, are succeeded by rougher grass, scythe-mown only two or three times a year, with trees scattered here and there, outposts of the denser thicket beyond. Here, in sunshine or in shade, Snowdrops and Aconites will thrive, looking best not planted in formal and regular clumps, but scattered and in small groups, left undisturbed to develop new bulbs and to sow seeds at their own sweet will in ever beautiful disorder. Close under trees, sheltered in nooks

of great roots, advancing here, receding there, opening early in sunny aspects and more backward in the shade, the seedlings will appear singly, dotted about the ground, and the older bulb; in larger groups and clusters. Grown in grass, Snowdrops are not splashed and spoiled by heavy rain as they would be in a garden border, and nothing could set off their whiteness better than the varied colours of grass and golden green moss. Aconites also in careless array brighten and clothe the slopes, their brilliant yellow flowers and glossy green foliage giving an effect of sunshine on the most cheerless winter day.

The date of flowering of both plants is uncertain, and they will appear at any time between the middle of December and the end of January, not always influenced by weather, as might be supposed, beyond being retarded by severe and long-continued frost. In 1912 both were well in flower before Christmas. Throughout December, 1913, none was to be found, although the weather was then mild, and not until the second week in January, 1914, were any flowers expanded. Aconite seed is ripe in May, and may often be gathered in large quantities, provided that there has been bright weather during the time of flowering, enabling bees to be out and active in fertilising the blossoms. Very severe late frosts, however, will often spoil the seed. Sowing should be done as soon as the seed is ripe, and no cultivation is needed, the seed being merely scattered broadcast. The tubers of Aconites endure well the most unceremonious treatment, and will thrive even if transplanted in full flower.

Quite a small wood may be made to appear double its size by little winding paths turning cunningly back upon themselves and describing a circle or two, bewildering all who are not well acquainted with their intricacies. Here the autumn leaves should never be raked up, or only from the centre of the paths, for their rich russet brown colour makes a lovely background for groups of Snowdrops and Aconites along the sides of the walks and in recesses among the shrubs. Ivy also, with its dark green and bronze leaves, makes a suitable carpet, creeping along and densely covering the ground; but care should be taken to prevent it climbing up the tree stems, which it will certainly do if not severely checked. The rich green of Box bushes looks well as a setting, and Mahonia (*Berberis vulgaris*), with its glossy leaves tinted red, purple and brown, as well as numerous other evergreen shrubs, may be planted in the wood to shelter and protect winter flowers from cold winds. Very soon after the first Snowdrops appear, many pretty winter leaves spring up, such as wild Parsley, Cuckoo-pint (*Arum maculatum*), wild Hyacinth, &c., all adding their share of beauty and brightness to the scene. With shafts of sunlight striking down between the trees and shrubs, and falling upon expanses of Snowdrops and Aconites, thrushes singing all around and the presage of spring in the air, even an English winter has very real enjoyment.

F. W.

## OBITUARY.

## DAVID W. THOMSON.

A WIDESPREAD feeling of regret has been caused by the announcement of the death, on March 11, of Mr. David W. Thomson, nurseryman and seedsman, George Street, Edinburgh. Mr. Thomson's death took place suddenly at his home,

19, Manor Place, Edinburgh, and happening with such suddenness, the news was received with much grief by a large circle in Edinburgh. Mr. Thomson, as is well known, was the son of the late Mr. David Thomson, for many years gardener at Drumlanrig, and one of the most famous Scottish horticulturists of his time. Mr. David W. Thomson shared his father's keen horticultural interests, and entered into the nursery and seed trade, which he carried on with great success for many years. He did not allow business affairs to monopolise his horticultural tastes, and took more than a casual interest in leading movements to promote gardening and forestry. He was specially interested in the work of the Royal Caledonian Horticultural Society, the Scottish Horticultural Association, and the Royal Scottish Arboricultural Society. He did yeoman service in various capacities to the first two societies named, and held leading offices from time to time in both. His business experience and capacity made his advice of high value, and these two organisations were much assisted by his counsel and active support. Mr. Thomson also took a warm interest in the work of the Royal Scottish Arboricultural Society, and was generally present at that society's annual excursions. In business Mr. Thomson was highly successful, and he had a wide and valuable connection in all branches of his calling. He was Moderator of the Guard of Honour and Constables of Holyrood Palace, and acted in that capacity at the last visit of the King and Queen to Edinburgh.

**Glasgow Parks.**—A large amount of interesting information is afforded by a booklet on the Glasgow parks and open spaces, which has been prepared for the Corporation by Mr. James Whitton, V.M.H., the able Superintendent of Parks and Curator of the Botanic Gardens. The magnitude of the work covered may be estimated when we learn that the acreage of the parks and open spaces amounts to upwards of 16,000 acres, and that an average number of 350 men are employed regularly on the parks, the wages amounting to £22,000 per annum. The booklet also gives a large amount of historical information regarding the various parks, many of which were presented to the city; while useful tables contain a store of information on points of detail. It is printed for private circulation, and is a high testimony to the energy and enthusiasm of Mr. Whitton.

**Record Prizes for Vegetable Growers.**—Every form of food acquires a new interest and a new value in war time, but at present—thanks to the great prizes offered by the *Daily Mail*—our thoughts chiefly turn to vegetables, such as can be grown in any garden or "allotment." One thousand guineas is the total value of the prizes offered, and competitors are divided into six different classes, covering the wealthy amateur with a staff of gardeners, the purely amateur grower (who employs no form of outside help), professional market gardeners, those who employ an occasional gardener, the householder who keeps a permanent "single-handed man," and institutions and schools. These classes are wide enough to include all individuals who own or rent land, gardens or allotments; while the prizes, which are at least five times as generous as anything hitherto offered to vegetable growers, should produce an unprecedented list of competitors. Details of the competition appear in our advertisement columns.



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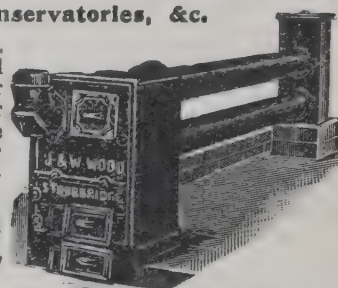
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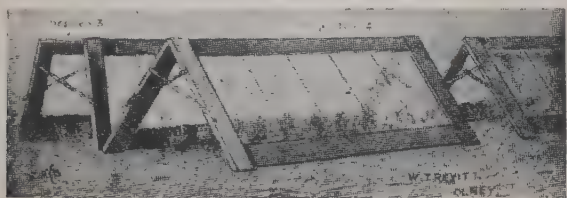
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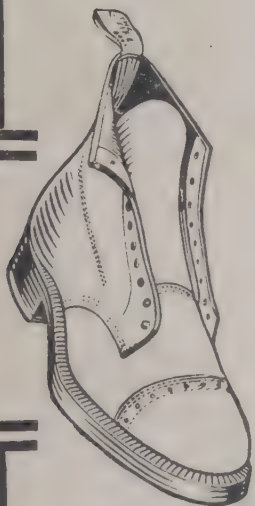
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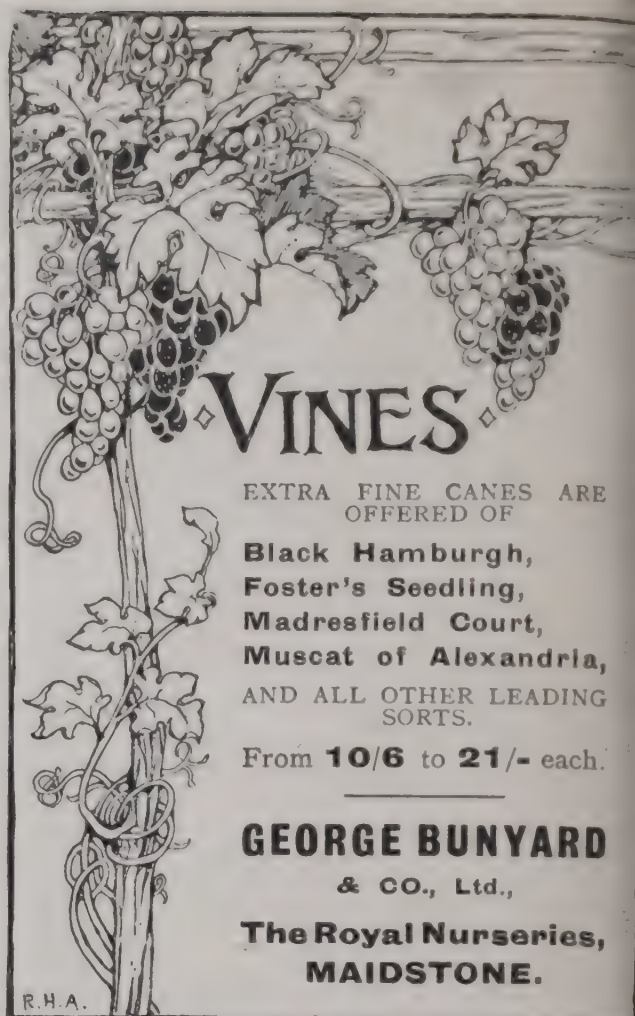
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Collection 14 36 Plants	6/-	Packed Free on Rail
(3 of each of the 12 sorts named, all strong flowering Plants.)		
Silvery White Rockfoil, dainty		
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Glittering Purple Thyme, rich		
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Blue China Cup Bellflower		
Purple Rock Cress (Aubrietia)		
Gentian Speedwell, pale blue		
Golden Mullein, leaves like blanket		
Scarlet Bergamot, very handsome		
Florentine Iris, tinted blue		
Giant White Marguerite, lovely		
Plum Purple Larkspur (Delph.)		

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Pale coral to salmon scarlet, ex. fine plants 1/3 dozen, 8/- 100

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Gorgeously beautiful summer flowers. in separate colours:—white, rose, blue, 1/6 dozen, 9/6 100.

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Dwarf or Baby Rambler Roses, grow 18 inches, masses of colour.		
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King Edward, carmine	8d.	
Leonie Lamesch, coppery red	8d.	
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.. Etna, brilliant coral red		
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.. Sherlock, single dark scarlet		
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## SHRUBS FOR COVERT PLANTING.

THE question sometimes arises as to the most suitable shrubs for covert planting, and those that are not expensive. With this in view, attention is directed in these notes to various shrubs which are adapted for the purpose. In some positions shrubs with highly coloured stems or bright berries may be effective, while in other instances evergreen plants are most desirable. When cover has to be formed in woods, the question of shade has to be considered, for some shrubs which thrive well in the open are poor and weedy in other positions. As an evergreen for thin woods *Rhododendron ponticum* is excellent, while it also thrives well in the open. Whether in winter or summer the foliage is effective, while at flowering-time it makes a fine display. In many woods it naturalises freely, and seedlings appear in thousands. Rabbits rarely trouble it; in fact, it is often described as rabbit-proof. Perhaps the only objection that can be urged against it is that it grows into such an intricate mass that in time it becomes practically impenetrable. *Berberis Aquifolium* is almost, if not quite, equal to it in value as an under-shrub, while it is less vigorous and can be planted where the *Rhododendron* would be out of place. *Gaultheria Shallon* also grows well in thin woods, and may be met with growing to any height from 1½ feet to 4 feet. It is distinct from anything else, while it flowers freely in late spring. The Butcher's Broom (*Ruscus aculeatus*) may be used where a comparatively dwarf, upright shrub is desired, while *Hypericum calycinum* (the Rose of Sharon) forms a dense carpet 9 inches to 1 foot high and flourishes in partial shade. The dwarf Bamboo, *Arundinaria pygmaea*, may be planted with effect in damp places, while *A. Kumasasa*, or *Bambusa palmata* as it is frequently called, spreads rapidly and is useful for planting near the water-side. Good clumps or isolated specimens in the woodland may be formed by the common Laurel, which ought to be allowed to grow unrestrained. The Holly can be made use of in a similar way, also the Box. For evergreen cover in more open ground all the above may be used, while there are other things, such as the Gorse, single and double forms; *Berberis stenophylla*; *Juniperus Sabina*; the Gum Cistus, *C. laurifolius*, and one or two of the hardier of the dwarf-growing Cistuses, such as *C. recognitus* and *C. monspeliensis*. Some of the brighter of the *Rhododendrons* may be included for conspicuous places, while *Pinus montana* is excellent for large masses.

Turning to deciduous shrubs, one of the best of these for woodland is *Symphoricarpos racemosus*, commonly called Snowberry. This spreads rapidly and soon forms a large mass. *Rosa rubrifolia* is another shrub worthy of consideration, its purplish foliage being conspicuous during the summer. *Hypericum androsæmum* and *elatum* are strong-growing kinds that may be profitably grown, while *Spiræas Menziesii*, *Douglasii* and *salicifolia* may be depended upon to make dense cover. In open ground, in conspicuous places, various coloured-stemmed shrubs may be introduced judiciously. The yellow and red stemmed Willows can be used in groups about the margins of water; and the beautiful *Salix daphnoides*, which has stems covered with a glaucous bloom, is also desirable. In other directions the Dogwoods

may be brought in, *Cornus alba*, *C. stolonifera* and *C. Baileyi* being three of the brightest coloured. The *Spiræas* previously mentioned may also be used for colour effect, for the stems are of a bright brown shade. *Leycesteria formosa* furnishes a change because of its bright green bark, while several of the Brooms are useful for the same reason. Berry-bearing shrubs are numerous. Those suited to our purpose are *Cotoneaster Simonsii*, *Hippophaë rhamnoides* (Sea Buckthorn), *Rosa rugosa*, *Viburnum lantana*, *V. Opulus*, *Euonymus europæus* and *Rhamnus cathartica*. Other shrubs, of course, could be tried; but those mentioned will be found, for the most part, to be inexpensive and easily grown. The Privets make very good undergrowth in woods, but are of less general interest than the plants mentioned.

D.

## ANSWERS TO CORRESPONDENTS.

**QUESTIONS AND ANSWERS.**—The Editor endeavours to make THE GARDEN helpful to all readers who desire assistance, no matter what the branch of gardening may be, and with that object makes a special feature of the "Answers to Correspondents" columns. All communications should be clearly and concisely written on one side of the paper only, and addressed to the EDITOR of THE GARDEN, 20, Tavistock Street, Covent Garden, London, W.C. The name and address of the sender are required in addition to any designation he may desire to be used in the paper. When more than one query is sent, each should be on a separate piece of paper. Plants for naming should be clearly numbered and securely packed in damp grass or moss, not cotton-wool, and flowering shoots, where possible, should be sent. It is useless to send small scraps that are not characteristic of the plant. Letters on business should be sent to the PUBLISHER.

### FLOWER GARDEN.

**PENTSTEMON CÆRULEUS (Hill).**—This species grows from 9 inches to 1 foot high, is of semi-procumbent habit, and quite suitable for the rock garden. It is a native of the Western United States, and occasionally suffers during the winter-time from severe frosts and wet combined. The plant is, however, easily raised from cuttings and seeds; hence a stock may be kept up by these means. The sky blue colour, which gave rise to the name, dominates the flower internally; externally the corolla is suffused with a reddish tone. It is highly ornamental, and worth growing for colour beauty alone.

**PLANTS FROM SEEDS (George G. Malet).**—It is not possible to say how long plants raised from seeds "sown in spring and summer will remain in flower"; everything depends upon the measure of cultivation meted out to them. *Petunia*, *Phlox*, *Celosia*, *Ageratum* and *Salvia*, if regarded as half-hardy or tender annuals, should have been sown in a greenhouse temperature or warm frame in the early part of the present month, and, grown without a check and planted out in May, would give a succession of flowers for weeks during the summer. *Gaillardia*—if you refer to the annual sorts—*Alyssum*, *Eschscholtzia* and *Sweet Sultan* may be treated as hardy annuals and sown thinly in the open. The last two are excellent as edging or bordering plants. Seeds of *Delphinium* sown now would not give a flowering this year, and only a few of the more vigorous seedlings probably would flower in the early summer of 1916. These plants are perennial, and take longer to reach the flowering stage than the other plants named. They require generous treatment, too, all along the line. Those flowering in August and September are usually the direct result of spring-divided stock. Old plants, however, occasionally give secondary flower-spikes at the same season, while the dwarf-growing *Belladonna* frequently flowers twice in the year.

### THE GREENHOUSE.

**ADVICE ON CARNATIONS (H. T.).**—If your Malmaison Carnations are good sturdy plants, you might pot them into 6-inch pots and allow them to carry one flower each. It is, of course, late to repot plants that are to bloom, and, unless they are in very good condition, your better way would be not to allow them to flower, but to concentrate their energies for another year. Towards the end of the summer the plants should be thoroughly established in their pots, when those that require it can be given a shift into pots 2 inches larger. Even during the summer Malmaison Carnations should not be stood out of doors, but kept in a light, sunny house with a free circulation of air. During the winter the night temperature may fall as low as 45°, rising 10° or so during the day. At that season, especially, great care must be taken in watering, it being necessary to keep the soil on the dry side. With regard to the Tree or Perpetual-flowering varieties, the treatment given will to a great extent depend upon the condition the plants are now in. If the stems are soft and well furnished with leaves, the plants may be stopped at a height of about six inches, as they ought then to break out freely. Should the

stems, however, be hard and woody at the base, you cannot expect them to break out therefrom in a satisfactory manner, so that in this case you must stop as low as you can, subject to the stems being sufficiently young to make new growth. Plants that have now hard stems at the base cannot be expected to make as neat, bushy specimens by the autumn as those struck from cuttings early in the year and grown on freely afterwards. The plants should be stopped at once, doing any further pinching as they require it. As a rule, however, no stopping should be done after August, though, of course, the time varies according to the varieties and locality. When the plants break freely after their pinching back or stopping, they should be shifted into their flowering pots, which may be from 6 inches to 7 inches in diameter. If you have a good light position in the greenhouse where there is a free circulation of air, the plants will be better there than in a frame. They do not want shading. While many prefer to grow this section of Carnations entirely under glass, others often influenced by lack of accommodation stand them out of doors during the summer months. For this purpose a warm, sunny, open spot, yet well protected from winds, should be chosen, taking care to stand the pots on a good firm, well-drained base of ashes. Do not overcrowd them, and be particular that they do not suffer from want of water, while on hot days they are greatly benefited by a spraying in the evening. The plants may be stood out of doors early in June, but must be hardened off before then. They should not be left out after August; indeed, the middle of the month is in most districts a good time to take them under cover. The two subjects concerning which you enquire the easiest way to propagate are both difficult of increase. *Camellias* are propagated by grafting on to seedlings of *Camellia japonica*; but this is work that requires a good deal of practical knowledge and various appliances, added to which stocks are difficult to obtain. Tree *Pæonies* are generally grafted on to tubers of the herbaceous kinds, but it is a risky process unless in practical hands. In the case of a Tree *Pæony* established out of doors, a few of the lowermost branches may sometimes be layered; but it will be two years before they are fit to be separated from the parent plant.

### ROSE GARDEN.

**MANURE FOR ROSES (Sheffield).**—We quite appreciate your difficulty in obtaining stable or cow manure for your Roses; it is one that every dweller in or near towns has to contend with. You may safely use Wakeley's Hop Manure as a substitute. We find it best to apply a good dressing immediately after pruning, lightly forking it into the soil to prevent it blowing about. The decaying Hops provide a certain amount of humus, and the chemicals that it contains impart colour and substance to the blooms.

### MISCELLANEOUS.

**WEEDS ON LAWN (Nemo).**—As your lawn is in such a bad state, we advise you to at once dig out the largest of the Plantains and Dandelions, and then give the lawn a good dressing of one of the advertised lawn sands. We have found Velas Lawn Sand, manufactured by Messrs. Robinson Brothers, Limited, West Bromwich, Staffs, to answer admirably. In addition to destroying weeds, it acts as a manure to the grass. It should be applied during the next few weeks according to the directions supplied by the vendors.

**NAMES OF PLANTS.—W. H., Bournemouth.**—1, Cannot name without flowers; 2, *Chlorophytum elatum* variegatum; 3, *Pieris floribunda*; 4, *Spiræa Thunbergii*; 5, *Cassinia fulvida*; 6, *Tsuga canadensis*; 7, *Cedrus Deodara*; 8, *Juniperus chinensis*; 9, *Cupressus pisifera squarrosa*.—**N. Hilliard.**—1, *Cryptomeria japonica*; 2, *Juniperus Sabina* variegata; 3, *Thuja dolabrata* variegata; 4, *Cryptomeria japonica elegans*; 5, *Cupressus macrocarpa*; 6, *C. macrocarpa* variety; 7, *Juniperus chinensis*.

## OBITUARY.

### THOMAS MERCER.

THE death is announced of a well-known and much-esteemed Kincardineshire gardener in the person of Mr. Thomas Mercer, gardener to A. B. Nicolson, Esq., Glenbervie House. Mr. Mercer was a native of Peeblesshire, where his father was gardener at Glenormiston, then the residence of Dr. Robert Chambers of the celebrated firm of Messrs. W. and R. Chambers, publishers. The greater number of Mr. Mercer's early years, while gaining experience in his calling, were spent in England. He went to Stracathro, Forfarshire, at the age of twenty-one, and there spent ten years in the employment of the Right Hon. James A. Campbell. Thence he went to Lauriston Castle, Kincardineshire, the seat of D. S. Porteous, Esq., holding his position as gardener there for fourteen years. Mr. Mercer received his last appointment at Glenbervie House some twelve years ago. He was an excellent gardener, and was held in the highest respect and esteem.



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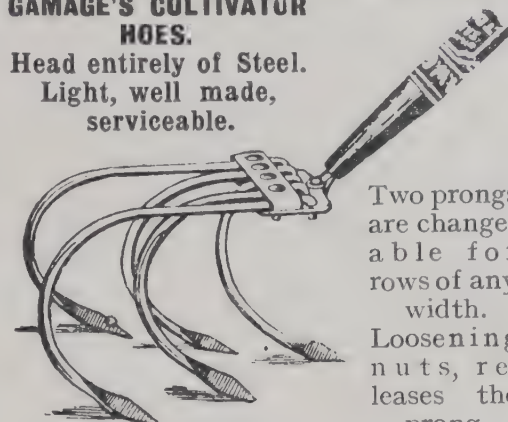
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## SITUATIONS VACANT.

Our charge for advertisements under the above heading is 9d. per line, consisting of eight words to the line. Press day Friday.

**GENTLEMAN**, in County of Durham, requires an experienced and first-rate gardener for outside and in, including fruit trees and vines. Wages 24/- a week; house and coals; age about 40. During present crisis only a garden boy is kept, though occasional extra help allowed for digging.—Apply "Box No. 6," c/o THE GARDEN, 20, Tavistock Street, Covent Garden, London, W.C.

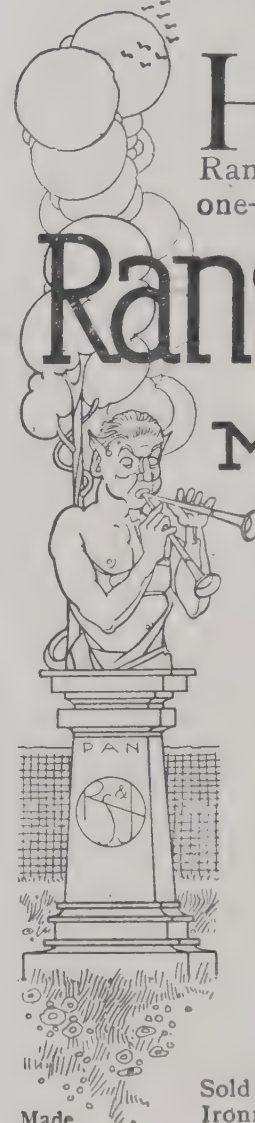
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## SOCIETIES.

## WARGRAVE AND DISTRICT GARDENERS' ASSOCIATION.

AT the meeting of this association on March 10 a very practical and instructive paper on "The Chrysanthemum" was read by Mr. T. Tunbridge of The Three Elms Gardens, Remenham. He divided the subject under the heads of (1) the development of the plant, and (2) its growth and cultivation as an ideal flower. The subjects dealt with were the cuttings, striking them, potting off, compost, watering, staking, manuring, timing and taking the buds, special treatment of weak varieties, and the various diseases and pests, with remedies for combating them. A good discussion followed, in which many members took part, and a vote of thanks was passed to Mr. Tunbridge at the close. The judges awarded a cultural certificate to Mr. W. Pope for a group of finely flowered *Imantophyllum* seedlings, and highly commended a group of bulbous and other flowering plants shown by Mr. Doe.

## GLASGOW FRUIT TRADE ASSOCIATION.

THE annual meeting of this association was held in the Commercial Hotel, Ingram Street, Glasgow, on March 4. Mr. A. McKay, president, presided over a good meeting. The report of the executive was of a gratifying nature, showing that much good work had been done to promote the interests of the trade. Several questions of importance had been dealt with, and useful action taken to bring the views of the executive to the notice of those who could deal with the subjects. Specially important action had been taken to promote the movement in favour of selling such soft fruits as Strawberries by weight instead of measure. The funds were in a satisfactory condition, and the association had been strengthened by the addition of about seventy new members. The report was adopted on the motion of the chairman. The following were appointed office-bearers for the year: President, Mr. A. McKay; vice-presidents, Mr. James Chalmers and Mr. J. Macdonald; secretary, Mr. Daniel Gardner; and treasurer, Mr. John Kennedy.

## BRIGHTON, HOVE AND SUSSEX HORTICULTURAL SOCIETY.

IRRESPECTIVE of the war, the committee decided to hold, as before, its exhibition of spring flowers, if only as a means towards maintaining and encouraging interest in things horticultural. The decision proved a wise one, for the show, held in the Oddfellows' Hall on March 18, proved highly satisfactory, not only from a cultural point of view and brilliancy of display, but also from the interest which it evoked. Though not open to the general public, subscribers, members and their friends patronised it well during the afternoon, while in the evening the attendance was greater, the room being packed. Both afternoon and evening a delightful concert, comprising vocal and instrumental music, was arranged and charmingly rendered by popular local artists.

The principal prize-winner in the open classes was Mr. Charles Moppett, jun., gardener to Mrs. A. Carey, Downside, Roedean, who took premier award not only in the class for a collection of Daffodils and Narcissi (twelve varieties, six stems of each), but also in the classes for six pots of Daffodils and six pots of Hyacinths. In that for six pots of spring flowers, Mr. G. Chandler, gardener to S. C. Witting, Esq., was first, staging some very fine specimen plants of *Cyclamen*, *Cineraria* and *Genista*.

Non-competitive exhibits deserving mention were those staged by Messrs. Balchin and Son, Brighton, and Mr. Charles Moppett, jun. That of the former comprised a magnificent, centrally placed circular group of ornamental foliage and flowering plants, Ferns, &c., erected on a table surmounted by a grand specimen Palm; the latter, a semi-circular group of Azaleas and *Cyclamen* backed with Star *Cinerarias* and specimen Palms, and edged with white Primulas. Mr. Frank Woollard staged a nice tabling of miscellaneous flowering and foliage plants, while a good collection of fruit was put up by Mr. Frank Miles, gardener to Mrs. Penny, Dyke Road, Brighton. All received certificates of merit for excellence.

**Gardening for Women.**—Commercial gardening as a career for women is the subject of an interesting article in last week's *Ladies' Field*. "Intensive gardening, as the adaptation of the French maraichers' methods has become termed, is the most attractive form of market gardening, and it is particularly adapted to practice by women. The only drawback is the rather large amount of capital required to successfully instal and work a garden sufficiently large to ensure a comfortable living. The best authorities are agreed in that the garden should be about two acres in extent, and that this requires not much less than £2,000 capital. With the present high price of glass this estimate cannot be much reduced, but the handy woman who has undergone a course of carpentry and is able to glaze and paint her own frames and also erect screen fences will, of course, be able to effect an appreciable saving. The general plan is to cover one-half of the garden with glass, leaving the remainder for open-air crops, which are necessary in the summer to carry on the working of the garden."

## Vegetable Seeds for Soldiers in France.—

That the Briton is a born gardener has always been evident to those who have travelled the highways and byways of these isles, but this has recently received additional proof by a request, addressed to the famous Reading seed firm of Sutton and Sons on behalf of the troops quartered at the No. 1 Base of the British Expeditionary Force in France, for a selection of quick-growing vegetable seeds. There in the grounds surrounding their huts, amid all the paraphernalia of war, they propose to practise the peaceful art, and to raise what should prove a valuable supply of wholesome food. Messrs. Sutton despatched a selection of the most suitable seeds, and have received letters of thanks from the Commandant of the Base, who writes as follows: "I have to-day been distributing your gift of seeds to the various cantonments and camps, and am compelled to write again and express my thanks for the magnificent collection of seeds you have sent us." It will be remembered that Messrs. Sutton presented seeds to the soldiers stationed in the block-houses during the latter stages of the South African War, the gift being highly appreciated, as it not only provided peaceful interest, which greatly relieved the strain imposed by the conditions under which the men lived, but also enabled them to raise much valuable food.

Lieutenant Jean de Vilmorin, 9th Cuirassiers, was severely wounded at Peronne, Somme (Northern France), on September 24. He was shot four successive times, one of the bullets piercing his breast. Fortunately, he was taken good care of at a French ambulance which had remained in the German fighting line, and subsequently was made a prisoner and sent to Krefeld (Rheinland), where he remained five months. In consequence of an exchange of prisoner officers, he was released on March 12 and returned to France, where he hopes to completely recover from his wounds. Lieutenant Jean de Vilmorin is the cadet brother of M. Philippe de Vilmorin, head member of the well-known seed firm.

**Awards by the General Bulb Growers' Society of Haarlem.**—At their recent meetings the floral committee has made the following awards: First-class certificates.—Hyacinth *Myosotis* (single), light blue, spike large; Hyacinth *Netty* (single), dark blue, raised from seeds; Hyacinth *Georgius* (single), dark purple, shaded purplish red, raised from seeds; *Crocus Jupiter*, light violet, shaded dark purple, raised from seeds; *Crocus Kathleen Parlow*, pure white, raised from seeds; *C. Pallas*, creamy white striped lilac, raised from seeds; *Crocus White Lady*, pure white and violet, raised from seeds. Awards of merit.—Hyacinth *Josine* (single), light blue, raised from seeds; Hyacinth *Trans* (single), light yellow, raised from seeds; Hyacinth *Golden Sheaves* (single), clear yellow, raised from seeds; Hyacinth *Red Star* (double), dark red, spike small; *Crocus Mikado*, flower large, white, striped lilac, raised from seeds; *Iris Sind-pers*, colour dark mauve, clear blue and yellow, a hybrid (*Iris sindjarensis* × *I. persica purpurea*).

## TRADE NOTE.

## THE SPRING TREATMENT OF LAWNS.

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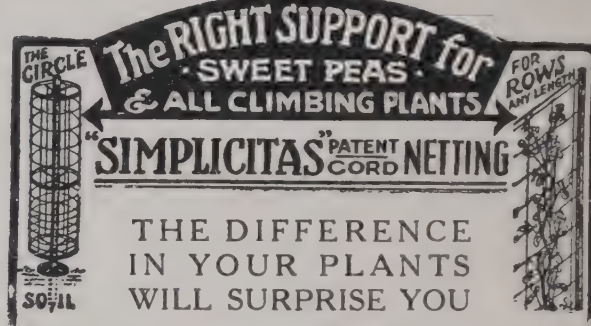
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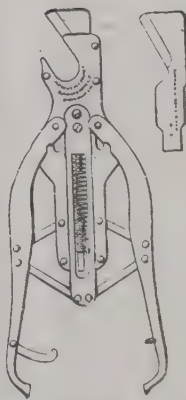
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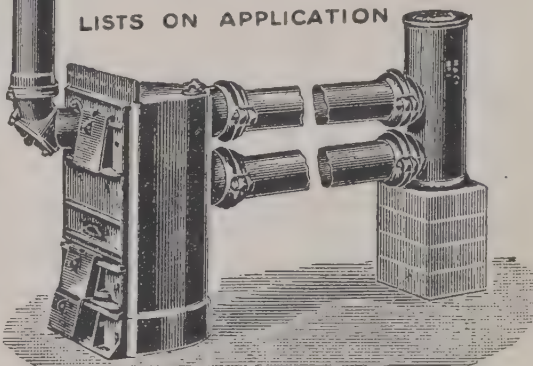
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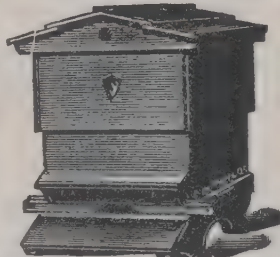
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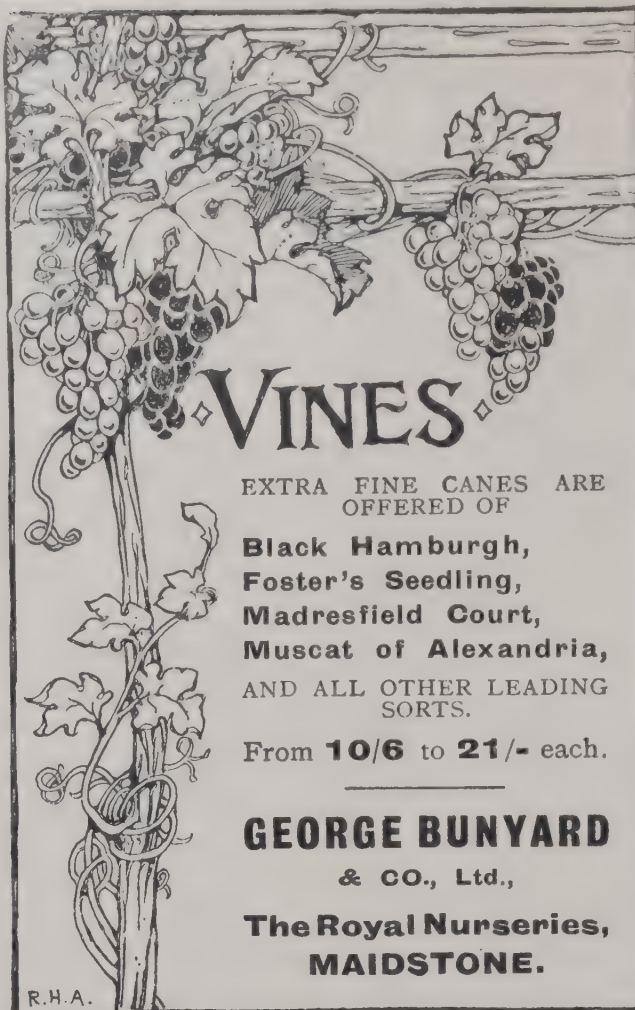
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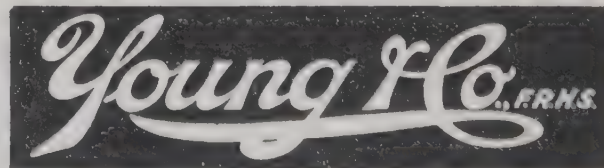
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 Sweetly scented leaves and flowers are always delightful.  
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 Dorothy Dennison, shell pink  
 Delight, bright carmine-red  
 Excelsa, brilliant scarlet  
 Jersey Beauty, fawn and yellow  
 Minnehaha, deep rose, fragrant  
 Paul Transon, salmon-pink  
 Rene Andre, saffron, orange  
 Tausendschon, carmine-pink  
 White Dorothy Perkins, very pretty

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 Blue China Cup Bellflower  
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 Gentian Speedwell, pale blue  
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 Scarlet Bergamot, very handsome  
 Florentine Iris, tinted blue  
 Giant White Marguerite, lovely  
 Plum Purple Larkspur (Delph.)

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9 Bushes 6/6 Carriage Paid.  
 3 Climbers  
 Nine excellent Roses for bedding and cutting, will also provide some nice buttonholes, and three first-class climbers.

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 Edu Meyer, red and yellow - 8d.  
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 Killarney, rose-pink - 8d.  
 King George V., crimson - 1/-

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 Chas. Lefebvre, velvety red - 6d.  
 Dupuy Jamain, cerise - 6d.  
 Gen. Jacqueminot, crimson - 6d.  
 General McArthur, crimson - 8d.  
 Johanna Sebus, cerise - 9d.  
 La France, rose - 6d.  
 Mrs. J. Laing, rosy-pink - 6d.  
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 Visc. Folkestone, cream - 6d.

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 Lyon, shrimp pink - 8d.  
 M. A. Chatenay, salmon-pink - 6d.  
 M. M. Souper, sunset yellow - 8d.  
 M. Ravary, orange - 6d.  
 Pharisaer, rosy white - 8d.  
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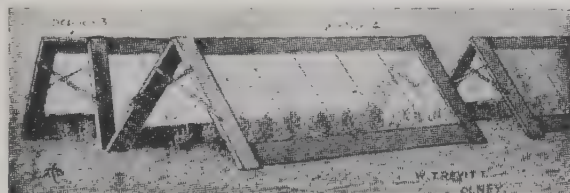
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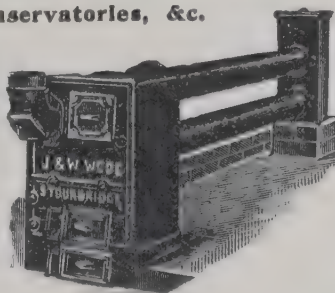
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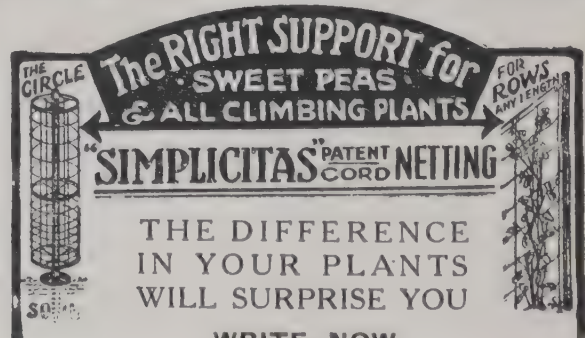
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**TULIP WITH GREEN TIPS** (*Interested*).—We do not remember having seen Tulip Artus with yellow-green tips to the perianth segments before. Probably some little change in the temperature at which the plants were grown is answerable for the difference in colour.

**INCREASING DOUBLE ARABIS** (*J. E. Blyth*).—You ask for the best time to increase this from cuttings, the answer is July to September. At the same time it is not a fastidious subject, and cuttings of the right sort will root at almost any season. In August we take the well-grown single rosettes of leaves and, removing some of the lower stem leaves, insert them in a rather shady place in the open in ordinary border soil, where they will root freely. If taken earlier—say, in July—we give them the covering of a spare light to protect them from the heat. If covered by a hand-light or frame, take care not to allow them to become too wet, as they are then liable to damp off. For the same reason very youthful cuttings are less satisfactory, the more mature growths being much the best. Possessed of the right type of cutting, we should insert them now without hesitation, employing a cold frame or hand-light and some light, sandy soil. Such cuttings root in a month or six weeks, and planted out would make nice tufts 6 inches across by the autumn ensuing.

### THE GREENHOUSE.

**AMARYLLIS STEM FOR INSPECTION** (*G. H.*).—The Amaryllis appears to be attacked by the bulb mite, which is probably feeding below the ground. We suggest that, when the bulbs go to rest, it would be well to turn them out and wash the whole thoroughly in water at about 110° Fahr. The soil already used should be thoroughly disposed of, and the pots thoroughly cleansed with hot water, fresh crocks being used.

### ROSE GARDEN.

**VIVID SCARLET ROSE** (*Mrs. B.*).—The Rose you mention, Chateau de Clos Vougeot, is a grand variety; but it is more nearly black than scarlet, and is considered to be one of our best dark velvety Roses. The variety Rouge Angevine would perhaps come nearest to a vivid scarlet. Leuchtheuer is also very brilliant, but probably the new Feuerzauber or Messrs. Hugh Dickson's Brilliant will be difficult to surpass. Ecarlate is very fine in colour, and especially for massing; but if you want a good-shaped flower, we can recommend you Mrs. Edward Powell or Hugh Dickson, the latter perhaps being best for your suburban district. The plant you send for naming is the Butcher's Broom (*Ruscus aculeatus*).

### ROCK GARDEN.

**THYMUS SERPYLLUM ALBUS** (*Mrs. B.*).—This plant is perfectly hardy, and will thrive in any well-drained gritty loam or one with which old mortar screenings are freely incorporated. Without knowledge of your motive for planting it on a grave, we hardly think it suitable for the purpose, as, apart from its short period of flowering, it is not very attractive. Plants better suited for the purpose, and while giving a good flowering in spring provide a carpet of verdant green for the remainder of the year, are the Mossy Saxifrages, which also succeed in ordinary soils. Two good ones—though only one would be needed—are *S. muscoides atropurpurea* and *S. Guildford Seedling*. Both have flowers of reddish colour. A good white-flowered Mossy kind and a splendid carpeter would be *S. hypnoides gemmifera*.

### MISCELLANEOUS.

**HOW TO USE CHICKEN MANURE** (*Miss L. L.*).—Poultry manure would be better mixed with three times its bulk of garden mould, and may then be safely used on the Asparagus-bed. Sulpide of potassium, at the rate of 1oz. to four gallons of water, will not be likely to be injurious to the shoots of Roses if sprayed on now, provided it is not done during bright sunshine.

**STERILISING SOIL** (*T. F. P.*).—Heat is a much more effective method of sterilising soil than treatment with any chemical, steam being best, boiling water good where the soil can be dried before use, and dry heat next. Where only small quantities are required to be done, the prepared soil may be put into the kitchen oven and the temperature raised to the required heat, say, 160° to 180° Fahr. Ammonia, about half a pint to the gallon of water, may be used, but the soil must be left until all trace of the ammonia has disappeared before the soil is used, and for this purpose it must be spread out and exposed to the air. Formaldehyde and the various proprietary articles containing carbolic compounds, benzine, ether, chloroform, carbon bisulphide and the like, are all sterilisers to some extent, but in every case sufficient time must elapse for every trace of them to evaporate.

**PLANTS FOR ROOM** (*Woman Clerk*).—It is probable that Ferns would do better than anything else under the very unsatisfactory conditions described. Anything that is tried, however, must be considered as more or less of an experiment, and we advise you to procure small plants of *Pteris serrulata*, a Fern which does well in rooms. Suitable plants can be obtained in Covent Garden or Brentford Markets for about two shillings a dozen. Good soil should be obtained from a nurseryman, and after making a hole in the bottom of each bowl and placing a few coarse cinders or pieces of stone over each hole for drainage, place one plant in each bowl, working the new soil fairly firmly about the roots.

**PLANTS FOR SMALL SPACE** (*Dolphin*).—A good deal depends upon the county in which your house is

situated as to the plants which are suitable for the vacant ground you describe. If in a cold district, the best evergreen shrub that can be used is *Olearia Haastii*, and the best deciduous shrub *Tamarix anglica*. If the house is situated in the South or West, however, there is a greater choice of plants, for, in addition to those already named, *Veronica speciosa* and varieties, *Fuchsia Riccartonii*, *Hydrangea Hortensia*, *Escallonia macrantha* and *Olearia macrodonta* can be planted. Suitable climbers are *Hydrangea petiolaris*, *Clematis montana rubens*, *Jasminum nudiflorum* and *Rosa bracteata*.

**VARIOUS QUESTIONS** (*S. C.*).—1. Presumably your question refers to *Gloxinia* tubers that have passed the winter in a dormant state. These should be at once potted in a compost made up of two-thirds loam to one part of leaf-mould and a good sprinkling of silver sand. Pots 4 inches in diameter will be suitable for tubers of average size. These pots must be clean and effectually drained. In potting, the upper part of the tuber should be just below the surface of the soil. Little water should be given till the shoots appear, when the supply must be increased. They will start readily in the temperature named by you; but 10° less, though the blooms would be somewhat later, would ensure sturdier plants and flowers of a more lasting character. As soon as the tubers are well rooted, they must be shifted into their flowering pots, which may be from 5 inches to 6 inches in diameter, according to the vigour of the plants. They must then be grown in a house with a little heat, shading them from the rays of the sun. As the pots get full of roots, an occasional stimulant will be beneficial. A fair amount of atmospheric moisture is very necessary for *Gloxinias*, otherwise thrips will attack the foliage. To keep them in check, vaporise them with the XL All Vaporiser occasionally. They may also be grown without any fire-heat after the middle of May; but the blossoms will be later than if grown under warmer conditions. 2. Tuberous *Begonias* should be potted in the same compost and in the same-sized pots as the *Gloxinias*; but a minimum temperature of 55°, rising during the day, will be quite sufficient for them. Though good specimens may be grown in 6-inch pots, larger ones may be employed for extra vigorous plants. 3. *Calceolaria* seed is exceedingly minute, and requires great care in handling. In the case of the herbaceous section, in order to obtain good flowering plants next spring the seed must not be sown before the middle of June; in fact, some cultivators prefer to wait till the following month. The seed should be sown in clean, well-drained pans, using a compost made up of equal parts of good sweet loam and leaf-mould, with about half a part of silver sand, the whole being thoroughly incorporated and passed through a sieve with a quarter of an inch mesh. The rough portions of the soil that will not pass through the sieve may be placed in the pan immediately over the crocks. The pan must then be filled with the sifted compost, pressed down moderately firm, and made quite level. Then it must be watered either through a fine rose or by being stood in some receptacle containing a sufficient depth of water to reach nearly to the rim. The water will thus enter through the holes in the bottom and gradually soak the whole of the soil. Even after the seed is sown this is a good way to give water, as the surface is quite undisturbed. In sowing, while the soil is still wet the seed must be sprinkled very thinly on the surface. The only covering required will be a slight sprinkling of silver sand and a pane of glass laid over the top of the pan. The best place in which to put the seed-pans is a cold frame in a shady position. As soon as the young plants are large enough to handle, they must be pricked off into pans or boxes, and when sufficiently advanced, potted singly into small pots to be shifted into larger ones later when required. In all stages of growth these *Calceolarias* need cool, moist surroundings, and are particularly liable to be attacked by aphides or green fly, which must be destroyed by vaporising. 4. Tree *Carnation* cuttings will root well in a temperature of 60° to 70°, a good medium in which to strike them being clean silver sand. They need to be covered with glass and shaded from the sun. If you have no other case available, bell-glasses would do. 5. A suitable soil for *Auriculas* is two parts fibrous loam to one part leaf-mould, and a liberal sprinkling of silver sand. It is very essential that both the loam and the leaf-mould be of extra good quality. 6. Cucumber seeds may be sown in a loamy soil with which a little leaf-mould has been added. A temperature of 60° to 75° will suit them well. It is no advantage to place them in a close propagating-case, provided the house is sufficiently warm. They may be grown either in a frame or house, but in either case it is very essential to remember that the Cucumber is a shallow-rooting subject and thrives best when planted on small mounds of soil, increasing the amount of compost as the roots come to the surface. 7. Cyclamen seed should be sown at once in a mixture of loam, leaf-mould and sand, the whole being passed through a sieve with a quarter of an inch mesh. Care must be taken not to sow the seed too thickly, for, as a rule, it germinates irregularly, and if not crowded the young plants that are sufficiently advanced may be lifted and potted singly, leaving the rest undisturbed. A close, snug structure suits young *Cyclamen*. No fire-heat is required during the summer.

**NAMES OF PLANTS.**—*Wm. H., Romford*.—*Senecio Kämpferi aureo-maculata*; ordinary soil in cool greenhouse.—*E. B., No. 1.*—*O. longolossus pulchellum*.

**THE ROYAL HORTICULTURAL SOCIETY'S SHOW.**—Owing to Good Friday, this issue had to go to press a day earlier than usual, and we are therefore compelled to hold over until next week the report of the show held on the 30th ult.

## OBITUARY.

### LANCE-CORPORAL MILNE.

THE sad news has been received of the death in action on March 18 of Lance-Corporal Milne, 2nd Gordon Highlanders, and one of the garden staff at the Queen's Park, Glasgow, until November last, when he joined the Army. Lance-Corporal Milne, who was much liked by those with whom he served, was a son of Mr. Milne, gardener, Greystoke Castle, Penrith, with whom much sympathy will be felt in the loss of a son of such promise. Lance-Corporal Milne was unmarried. He was severely wounded in the head, and only lived for a short time after receiving his injuries.

**North Lonsdale Rose Society.**—We have just received a copy of the schedule of prizes published by this society, and are glad to see that the committee are holding their show at Ulverston on Friday and Saturday, July 16 and 17. Notwithstanding the war, the schedule this year is better than ever, and we hope that all rosarians will do their best to assist the committee to make the show a big success. Mr. F. J. Harrison, the hon. secretary, Ulverston, will be pleased to send copies of the schedule to any of our readers.

**The Carnation Year Book.**—This, the official publication of the Perpetual-Flowering Carnation Society, has just reached us, and we congratulate the committee on their efforts to keep business going as usual during the present crisis. The greater portion of the Year Book is devoted to work done by the society during 1914, particulars that it is, no doubt, desirable to publish, but which make rather dry reading. The latter, though smaller, part is the most interesting and useful, inasmuch as it is devoted to articles by various experts on different phases of the Carnation. These include "Reflections," by the secretary; "Carnations as Cut Flowers," by Alva J. Hall; "Carnation-growing in Belgium," a particularly interesting though pathetic article, by V. Bouckenooghe; "The Adaptability of the Carnation," by C. H. Tandevin; "Productiveness of Carnations," by J. H. Hill; "The Cultivation of the Carnation," by M. C. Allwood; and "Carnations," by Margaret Widdener. Copies of the Year Book can be obtained from the hon. secretary, Mr. T. A. Weston, Floradale, Orpington, Kent, post free, 1s. 6d. each.

**Walking-Sticks for Wounded Soldiers.**—We feel sure our readers will be interested to learn that the editor of *Tit-Bits* has initiated a fund to supply the wounded men now so sadly numerous in our hospitals with stout, serviceable walking-sticks, of which there is sore need. Many a poor fellow, crippled in the lower limbs, is condemned to remain indoors for want of the support a good stick would give him, and his recovery is greatly retarded thereby. Think of what these men have suffered and are suffering for their King, their country, and for you! Send something—however small an amount it may be—and so "do your bit" for the man who has nobly done his, and is now paying for it in pain and suffering. Subscriptions should be addressed to the Editor, *Tit-Bits*, 8—11, Southampton Street, Strand, W.C., and marked "Walking-stick Department" on the envelope.

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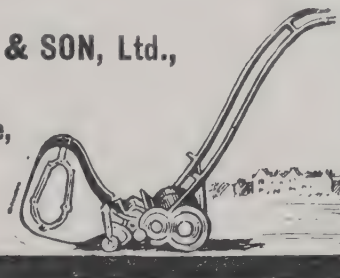
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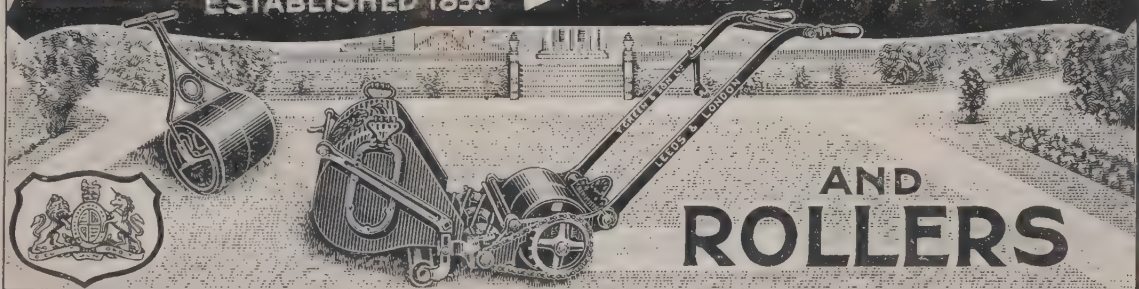
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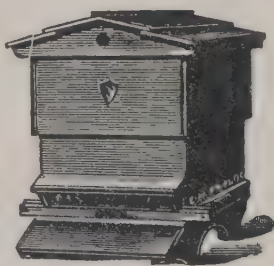
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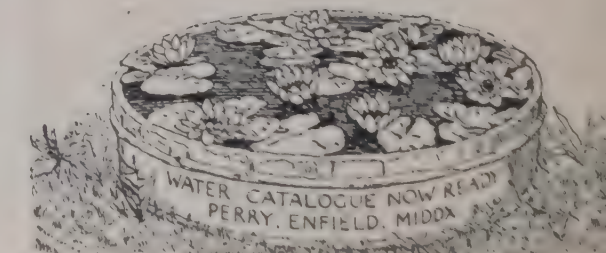
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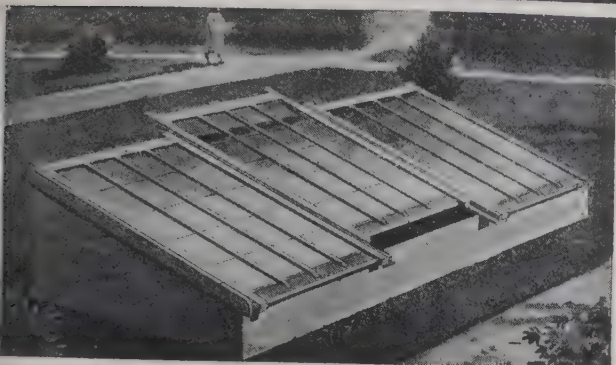
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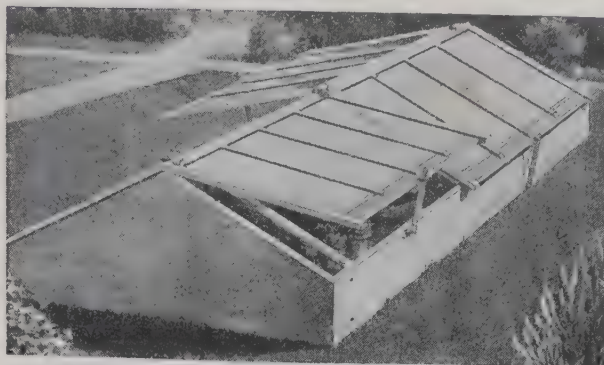
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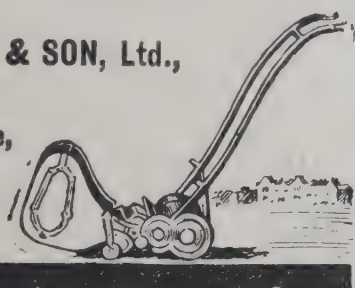
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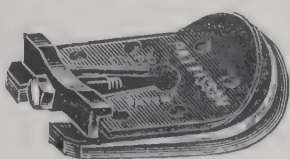


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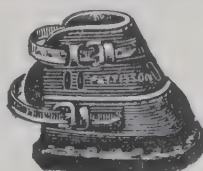


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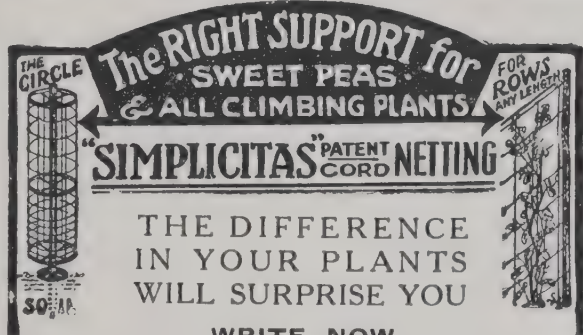
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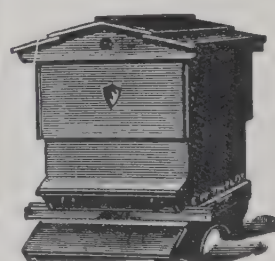
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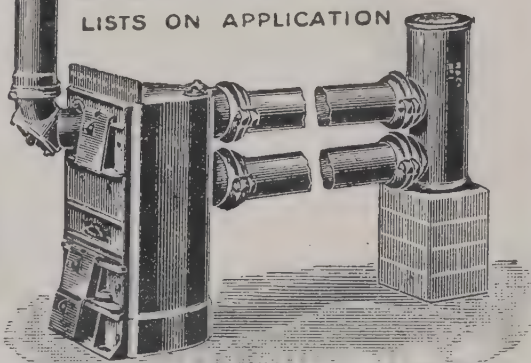
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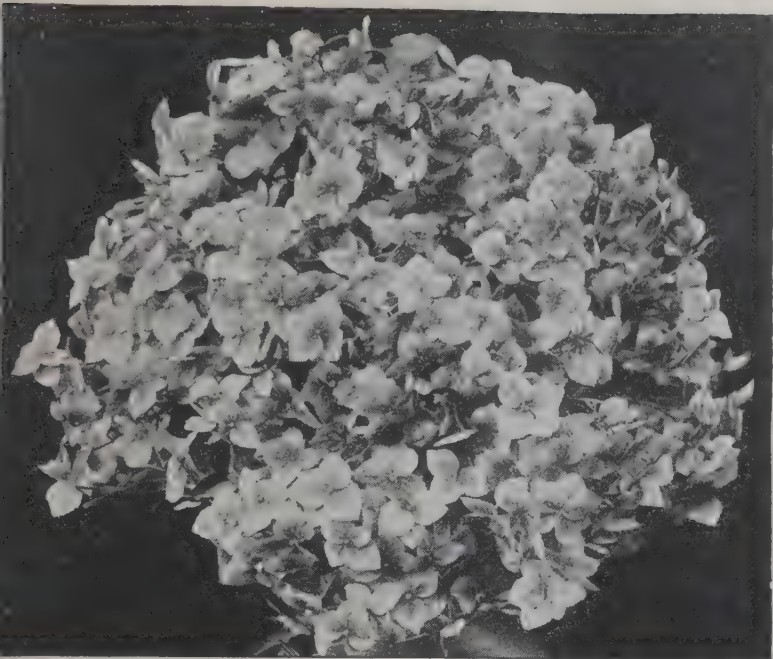


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## Hydrangea Arborescens Grandiflora Alba.

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The fragrance of these new Pæonies creeps into the senses, soothes, delights, refreshes. Its charm lingers in the memory long after the perfume itself has stolen away. Double herbaceous Pæonies are the most magnificent of all hardy herbaceous plants: they are immense in size, gorgeous in colour, yet withal of exquisite delicacy and of indescribable beauty. That has been said of the Rose by poets of all ages might with equal truth be addressed to these truly noble flowers. A place should be found for Pæonies in every garden, in one or other; they should decorate beds and borders, terrace walks, and drives, and they are now SO CHEAP they should find a place in copse and woodland, in wild garden, and obbery; in fact, wherever flowers may beautify garden or landscape, Pæonies should contribute their quota to the general effect. The flowers are deliciously fragrant and freely used, averaging in size 8in. to 10in. across, in colours of vivid scarlet, pale rose, white, deep purple, crimson, lavender, etc. The young foliage in spring is especially effective, giving almost every shade of colour. They are perfectly hardy. Their culture is of the simplest, any good deep garden soil will suit them, though it is advisable to plant them where they may remain for years undisturbed. A top-dressing of good old manure applied every spring after they commence to grow will meet their requirements, and they will increase in size and magnificence year after year.

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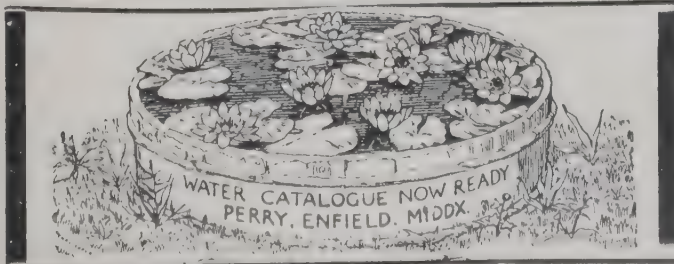
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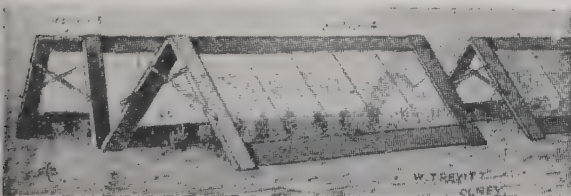
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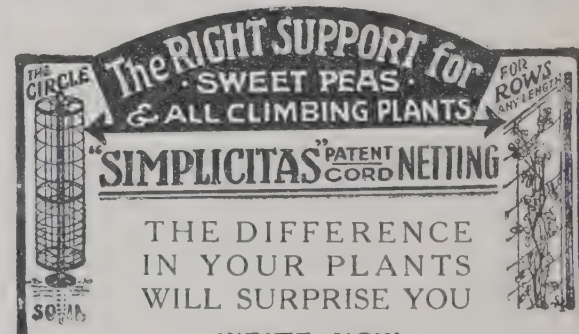
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## ROYAL HORTICULTURAL SOCIETY.

THERE was a particularly good and representative gathering of fruits and flowers brought together at the meeting in Vincent Square on April 15, flowers and flowering plants predominating. Of Daffodils there was quite a feast, both in the competitive and non-competitive classes. Alpine plants were in abundance. Vegetables from Reading were excellent. Orchids were in the minority.

## FLORAL COMMITTEE.

Present: H. B. May, Esq. (chairman), and Messrs. W. J. Bean, J. W. Barr, W. A. Bilney, J. Green, F. W. Harvey, G. Harrow, J. W. Moorman, C. R. Fielder, J. F. McLeod, T. Stevenson, J. Jennings, C. Blick, J. Dickson, G. Reuthe, A. Turner, E. Mawley, C. E. Shea, C. E. Pearson, W. P. Thomson, E. H. Jenkins, W. Cuthbertson and G. Paul.

Messrs. Barr and Sons, Covent Garden, W.C., arranged near the entrance a delightful lot of alpine and hardy plants in boxes and in other ways, the earliest species of Tulipa constituting a pretty feature. Of these latter, *T. saxatilis* (rosy lilac), *T. clusiana* (scarlet and white), *T. chrysantha* (orange and scarlet) and *T. Haageri* (orange red) were noted. Of other choice plants, *Primula calycina*, *P. frondosa*, *Epigaea repens*, *Ranunculus montanus* (glistening golden yellow cups), *Sanguinaria canadensis*, *Fritillaria armena*, *Narcissus calathinus*, *N. juncifolius* and *Saxifraga Faldonside* were noted. Bolder things were Darwin Tulips, Crown Imperials and *Iris tingitana*, these making a particularly good display.

Messrs. Stuart Low and Co., Enfield, showed miscellaneous greenhouse flowering plants, as Acacias in variety, *Boronias*, *Eriostemons*, *Hydrangeas* and a capital colony of *Hippeastrums*. Another grouping of Carnations was very fine, the more prominent being *Gorgeous*, *Ceres* (pink), *Minerva* (red), and *Mephisto* (Perpetual Malmaison of the yellow-ground or fancy class).

Mr. G. W. Miller, Wisbech, staged a large number of boxes of hardy things, chiefly Daisies, Polyanthus, Double Primroses and *Muscari conicum*. *Cheiranthus Harpur-Crewe*, *Sanguinaria canadensis* and Crown Imperials were very good.

Bakers, Wolverhampton, had a display of *Ranunculus montanus*, *Aubrietia J. S. Baker* (fine blue with white eye), *Ranunculus amplexicaulis*, *Primula Juliae*, *Trilliums* and other plants.

Mr. J. C. Allgrove, Middle Green, Langley, Slough, showed a nice variety of hardy plants in pans, of which Mossy Saxifrages, *Primula marginata*, *Euphorbia Myrsinites*, *Anemone Pulsatilla alba*, *A. ranunculoides*, *A. blanda scythica*, *Primula Purdomi* (lilac coloured and charmingly fragrant), *P. tangutica* (red) and *Douglasia laevigata* were among the more beautiful.

Messrs. T. S. Ware, Limited, Feltham, showed considerable groupings of *Primula Sieboldii* in variety, Double Primroses of sorts, *Trillium californicum* Snow Queen, *T. sessile rubrum*, *Synthrys reniformis*, *Daphne Cneorum*, *Dendromecon rigidum* and other good plants.

Mr. James Douglas, Edenside, Great Bookham, brought his first flowers of Auriculas, which attract as much by their beauty as their superb cultural excellence. Lady Veitch, red, with white paste, very fine; Moonbeam, golden; Janius, golden, white centre; Victor, crimson red; and Harrison Weir, of similar tone, and one of the best, were some of the gems in the group.

Messrs. R. Tucker and Son, Oxford, displayed some charming alpine on rockwork, as *Anemone vernalis*, *Daphne Cneorum*, *Primula frondosa*, *Campanula Stevenii* (little more than 2 inches high, with blue bells), *Saxifraga Vandellii* (very fine), *S. rocheliana*, *Primula Juliae* (very good colour), *Meconopsis aculeata*, *Primula Winteri* and *Onosma cassinum* (a white-flowered form of considerable beauty).

Mr. Amos Perry, Enfield, Middlesex, showed hardy plants on rockwork in considerable variety, the pride of the group being a colony of *Shortia uniflora grandiflora* in the centre. The flowers were of remarkable size and beauty, some very prettily rose tinted and very charming. *Saxifraga retusa*, rosy crimson, was also beautiful and in some quantity. *Primula frondosa*, *P. rosea* and *P. Juliae* also afforded distinctive groups of interest and beauty. Among novelties, *Paeonia Delavayi* was the chief; the flowers are maroon crimson with golden anthers. It belongs to the Tree (*P. arborea*) section of these plants.

Messrs. G. and A. Clark, Limited, Dover, showed fine masses of Polyanthus in variety, with *Daphne Cneorum*, *Viburnum Carlesii* and other plants.

Messrs. R. and G. Cuthbert, Southgate, N., displayed a nice group of *Azalea occidentalis* in variety, *Exquisita* (white and yellow), *graciosa* (cream and yellow) and *magnifica* (white, yellow blotched) being the more important.

Messrs. J. Cheal and Sons, Crawley, had a pretty group of forced shrubs, arranged with excellent effect. Chiefly composed of *Prunus*, *Forsythia* and *Pyrus*, a centre was made of *Spiraea arguta multiflora* (white) in front of a finely coloured lot of *Pyrus Malus atrosanguinea*, the two affording a fine contrast. *Azalea mollis* in variety, *Rhododendron Jacksonii* (rosy pink), *Osmanthus Delavayi* (white), with bronze-leaved *Acers*, *Lilacs*, *Corylopsis pauciflora* and others, constituted a very beautiful group.

Messrs. J. Carter and Co., Raynes Park, S.W., arranged a very beautiful spring garden with Daffodils on lawn and terrace, the rich yellow Ajax, King Alfred, affording a rare glow of colour. Sir Francis Drake is another grand Ajax yellow sort that was freely employed. Minnie Hume (white Leedsii), Queen Alexandra, the rich yellow Campenelle Jonquil and the semi-double Argent

were also freely employed. Shrubs and conifers in the background, with terrace walls nicely planted with alpinists, were other features in a very attractive exhibit.

Mr. G. Reuthe, Keston, Kent, showed alpinists and shrubs, some of the more choice including *Osmanthus Delavayi*, *Viburnum Carlesii*, *Anemone Pulsatilla*, *Tecophylaea cyanocrocus* (a lovely blue), *Iris stylosa*, double blue *Hepatica*, *Megasea afghanica* (white), *Saxifraga Grisebachii*, *S. Borisii* and *S. Haageri* (yellow). *Rhododendrons* were very beautiful.

Messrs. W. Wells, Limited, Merstham, had a beautiful grouping of *Antirrhinum Nelrose*, the pink colour showing to perfection. Carnations Pink Sensation, Good Cheer and Yellow Stone were very fine, the former with its 4-inch wide blossoms being very impressive.

The Misses Hopkins, Shepperton-on-Thames, displayed a variety of Mossy Saxifrages, *Primula frondosa*, *Shortia galacifolia*, and *Primula Juliae*, with alpinists and shrubs.

Mr. H. Burnett, Guernsey, exhibited some very beautiful Carnations. The splendidly arranged vases of *Carola*, Mrs. C. F. Raphael (very fine scarlet), Mary Allwood, Mikado, White Britannia, White Wonder, Mrs. W. B. Clode (one of the most fragrant), R. F. Felton (one of the best pinks), Washington (a lovely pink) and Marmion were some of the finest in a splendid lot.

A group of winter-flowering Sweet Peas, as grown in the Society's gardens at Wisley, was shown in flower, embracing many varieties and not a few shades of colour. The plants also demonstrated earliness of flowering, other examples of the ordinary summer-flowering forms sown at the same time showing no tendency to flower.

Messrs. Piper, Bayswater and Barnes, displayed forced shrubs, such as *Azaleas*, *Prunus*, *Genista*, *Spiraea* and others. In another group the firm displayed hardy plants, showing many species of alpine *Primulas* rather strongly. Of these *P. viscosa* Mrs. Berkeley, *P. Juliae*, *P. The General* and other viscous or nearly allied kinds, were freely shown, with fancy Pansies and Saxifrages. *Primula Ville de Nancy* was very good.

Mr. Vernon T. Hill, Langford, near Bristol, showed alpinists on rockwork, Mossy Saxifrages, *Primulas*, *Aubrietia J. S. Baker* and *Morisia hypogaea* in good condition. *Omphalodes cappadocica* (of rich blue colour) was very beautiful.

Messrs. Dobbie and Co., Edinburgh, had some particularly good vases of Darwin Tulips, of which Rev. H. Ewbank, Velvet King, Orange King, La Candeur and Margaret were prominent. Some excellent vases of winter-flowering Sweet Peas were also shown by this firm.

Messrs. R. H. Bath, Limited, Wisbech, had a lovely lot of Darwin and May-flowering Tulips in bowls of fibre, the extensive exhibit embracing a great number of varieties. Of these *Gustave Doré* (rose), Mrs. Farncombe Sanders (scarlet), *gesneriana lutea*, Mrs. Moon (two superb yellows), King Harold (crimson), Orion (scarlet), Clara Butt, Edmée (salmon and rose) and the glorious Inglecombe Yellow were among the more prominent.

Mr. Maurice Prichard, Christchurch, exhibited a variety of *Primula viscosa*, *P. frondosa*, *P. rosea* and others in company with Mossy and Encrusted Saxifrages, *Aubrietias*, Auriculas and others. The double Pompadour Primrose (*Primula acaulis rubra flore pleno*), *Petrocallis pyrenaica alba* and *Viburnum Carlesii* were among rare and beautiful plants.

Messrs. Reamsbottom and Co., Geashill, King's County, Ireland, showed the St. Brigid strain of Anemones in some variety.

Mr. Clarence Elliott, Stevenage, had a rockery group, on which *Anemone vernalis*, *Primula Mrs. Wilson* and *Anemone Pulsatilla* were freely displayed. *Saxifraga retusa*, *Douglasia laevigata* and *Daphne blagayana* were also charming.

Mr. L. R. Russell, Richmond, arranged a table of Clematises in flower, of which Lady Londesborough, Edouard Desfosse (deep blue), Miss Bateman (white), Mrs. George Jackman (white), Nelly Moser (rose and mauve), President (intense purple) and Mrs. Cholmondeley (deep mauve) were some of the best.

Messrs. Carter Page and Co., London Wall, had an exhibit of Violas. Maggie Mott, Prince Henry (very dark), W. H. Woodgate (mauve blue), Moseley Perfection (golden) and Royal Scot were among the most charming.

Messrs. Whitelegg and Page, Chislehurst, showed alpinists on rockwork with shrubs, Violas, Saxifrages, *Primulas*, *Magnolia steilata*, Tree Paeonies and others.

Messrs. Paul and Sons, Limited, Cheshunt, had a collection of *Lachenalias*, some dozen or so varieties being shown.

Messrs. W. Cutbush and Sons, Highgate, had a table of forced shrubs, with *Azaleas* and others akin. Among hardy plants the firm had charming groups of *Primulas*, *Anemone vernalis*, *Iris orchoides* and *Tulipa Greigii*; while in Carnations, Countess Fitzwilliam (fine crimson Malmaison), Lady Ingestre (pink), Mary Allwood and Scarlet Carola were all good.

Messrs. B. R. Cant and Sons, Colchester, had a lovely lot of Roses, displaying handsome vases of Captain Cant (reddish scarlet), Hon. Mrs. Grosvenor (flesh and salmon) Cupid (salmon) and Silver Moon (pure white climber) Mme. Edouard Herriot was very rich in colour and greatly admired.

Messrs. H. B. May and Sons, Edmonton, showed Ferns, Clematises, *Hydrangeas*, Heaths, *Hippeastrums*, *Boronias* megastigma and other useful greenhouse plants and flowers, arranging a most effective group.

Messrs. Allwood Brothers, Hayward's Heath, had a superb lot of Carnations, well grown and admirably displayed.

Messrs. Waterer, Sons and Crisp, Liverpool Street Arcade, London, E.C., had a pretty corner exhibit of rockwork, arranging *Primulas*, Saxifrages, Violas, *Onosmas*,

Candytuft, *Dodecatheons*, with flowering shrubs and others. The grouping was charmingly done.

Messrs. Wills and Segar, South Kensington, S.W., showed a lovely lot of *Boronias*, *Erca wilmoreana*, *Mignonette*, *Cinerarias* and sweet-scented Stocks, the latter very beautiful.

Messrs. Cannell and Sons, Eynsford, had a very showy lot of *Pelargoniums*. King Victor, *Hibernia*, Mrs. W. C. Jackson, Louis Charon (salmon) and Golden Lion being among the more important.

## FRUIT AND VEGETABLE COMMITTEE.

Present: Joseph Cheal, Esq. (chairman), and Messrs. J. Bates, E. Beckett, W. Crump, J. Jaques, J. E. Weston, G. Reynolds, John Harrison, Owen Thomas, A. W. M. Calfe, E. A. Bunyard, George Kelf, A. B. Allan, A. Grubb and A. Bullock.

Messrs. Sutton and Sons, Reading, had a superb collection of vegetables, for which a silver Knightian medal was awarded. The group comprised Superb White, Snow White and Satisfaction Broccoli, Golden Ball Lettuce, Pride of the Market Cucumber, Ailsa Craig Onion in splendid condition, Beans Tender and True, Pientiful and Forcing Seakale, Mushrooms, Harbinger Cabbage (very nice) and Red Globe Turnip—an admirable collection of serviceable and reasonable produce. Everything was in the pink of condition.

The New Zealand Government Department of Agriculture had a small exhibit of Apples, Gravenstein, Rhodes' Orange, Worcester Pearmain and Scarlet Pearmain being the most prominent sorts.

## ORCHID COMMITTEE.

Present: Sir Harry J. Veitch (chairman), and Messrs. J. O'Brien, F. J. Hanbury, Gurney Wilson, W. Bolton, C. J. Lucas, S. W. Flory, W. H. White, A. Dye, W. P. Bound, H. G. Alexander, J. E. Shill, J. Charlesworth, W. Cobb, A. McBean, F. M. Ogilvie, Pantia Ralli, R. G. Thwaites, W. Thompson, Stuart H. Low, R. A. Rolfe, J. Wilson Potter, Sir Jeremiah Colman and W. H. Hatcher.

Messrs. Charlesworth and Co. showed a lovely lot of *Odontoglossums* in variety, *Brasso-Cattleya Princess Elizabeth*, *Odontodia Joan*, O. Brewii (both very dark) and *Zygopetalum Brewii*.

Messrs. Hassall and Co., Southgate, N., had a nice lot of *Laelio-Cattleya G. S. Ball* (orange colour), *Odontodia Bradshawia* (fiery orange), with *Miltonias*, *Cattleya Mendelii* and others.

Messrs. Stuart Low and Co., Enfield, showed *Cattleyas*, *Laelias*, *Dendrobiums*, *Odontodas* and *Odontoglossums* in charming variety. Some of the *Odontodas* were very beautiful.

Mr. Harry Dixon, Wandsworth Common, had a small group of *Odontoglossums* and *Odontodas*. *Dendrobium jamesianum* (white), *Odontoglossum Rossii rubescens* and O. lambeauianum were also shown.

## THE DAFFODIL SHOW.

## COMPETITIVE CLASSES.

Competition, owing to the backward season, was somewhat slack all through. Several classes were not contested, while in only one or two classes were there more than three entries. The quality, on the whole, was not up to the usual standard, and, surprising to state, Mr. A. M. Wilson's seedlings were almost invariably beaten in the classes for such.

## SECTION I.—OPEN CLASSES.

Class 1, forty-eight varieties, three stems of each: First, Mr. A. M. Wilson with a strikingly fine collection—clean, bright and massive, with refinement at all points. No second was awarded. Third, Mr. W. A. Watts with a good collection.

Class 2, twelve varieties, three stems of each, Division 1: First, Mr. A. M. Wilson, Bridgwater, with a superb collection, half of which were under number; second, Mr. F. H. Chapman, Rye, not quite such heavy flowers, but very refined; third, Mr. W. A. Watts, St. Asaph.

Class 3, twelve varieties, three stems of each, Division 2: First, Mr. A. M. Wilson, who staged some wonderful flowers. No second was awarded, but Mr. W. A. Watts was placed third.

Class 4, twelve varieties, three stems of each, Division 3: First, Mr. A. M. Wilson. Not a startling lot, and no other grower exhibited.

Class 5, nine varieties, three stems of each, Division 4: First, Mr. A. M. Wilson with several surprisingly fine seedlings; second, Mr. W. A. Watts. No other entries.

Class 6, nine varieties, three stems of each, Divisions 5, 6 and 7: First, Mr. A. M. Wilson. The only entry.

Class 7, six varieties, three stems of each, Division 8: First, Mr. A. M. Wilson, a charming little collection which overshadowed the exhibit of Mr. W. A. Watts, who received no award.

No entries in Class 8, but one exhibitor, namely, Mr. W. A. Watts, turned up in Class 9, Division 10. Third prize only was awarded.

## SECTION II.—AMATEURS ONLY.

Class 10, twenty-four varieties, three stems of each, all divisions: First, Mrs. E. Gage-Hogg, Huxham Rectory, Exeter, a very clean lot; second, the Rev. T. Buncombe, The Rectory, Black Torrington, Devon.

Class 2, six varieties, three of each, First, Mrs. E. Gage-Hogg; second, R. Morton, Esq., Grange Dene, Woodside Park; third, the Rev. T. Buncombe, all very good collections.



Class 12, six varieties, three of each, Division 2: First, Mrs. E. Gage-Hogg; second, R. Morton, Esq.; third, the Rev. T. Buncombe.  
 Class 13, six varieties, three of each, Division 3: First, the Rev. T. Buncombe. No other entry.  
 Class 14, six varieties, three of each, Division 4: First, R. Morton, Esq.; second, the Rev. T. Buncombe.  
 No entries in Classes 15 and 16.  
 Class 17, six varieties, three of each, Division 8: First, the Rev. T. Buncombe. No other entry.  
 Class 18, three varieties, three of each, Division 10: First, R. Morton, Esq.; second, the Rev. T. Buncombe.

## SECTION III.—AMATEURS ONLY.

Class 19, twelve varieties, all divisions: First, Major George Churcher, Woodcote, Alverstoke, with a splendid lot; second, the Rev. Canon W. W. Fowler, Earley, Reading; third, Miss V. Warren, The Oaks, Westbere, Canterbury.  
 Class 20, three varieties, three of each, Division 1A: First, Major G. Churcher; second, the Rev. Canon W. W. Fowler; third, G. Stocks, Esq., Doncaster.  
 Class 21, three varieties, three of each, Division 1B: First, Miss V. Warren; second, the Rev. Canon W. W. Fowler; third, Major G. Churcher.  
 Class 22, three varieties, three of each, Division 1C: First, Major G. Churcher; second, the Rev. Canon W. W. Fowler; third, G. Stocks, Esq. All had fine flowers.  
 Class 23, three varieties, Division 2A: First, Miss V. Warren; second, Major G. Churcher; third, G. Stocks, Esq.  
 Class 24, three varieties, Division 2B: First, the Rev. Canon W. W. Fowler; second, Major G. Churcher; third, Miss V. Warren.  
 No entries in Class 25.  
 Class 26, three varieties, three of each, Division 3B: First, Miss V. Warren; second, G. Stocks, Esq. No other entries.  
 Class 27, three varieties, three of each, Division 4: First, Major G. Churcher; second, Miss V. Warren; third, G. Stocks, Esq.  
 No entries in Class 28.  
 Class 29, three varieties, Division 8: First, Major G. Churcher; second, G. Stocks, Esq.  
 Class 30, three varieties, three of each, Division 9: First, Major G. Churcher; second, G. Stocks, Esq. No other entry.  
 Class 31, three varieties, three of each, Division 10: First, the Rev. Canon W. W. Fowler; second, Miss V. Warren.

## SECTION IV.—SEEDLING AND NEW DAFFODILS (OPEN).

No entry in Class 32.  
 Class 33, twelve varieties not in commerce, one of each: First, Messrs. Barr and Sons, Covent Garden, very flower a gem; second, Mr. A. M. Wilson, with nearly all of the Medio and Parvi sections; third, M. H. F. F. M. Copeland, Esq., West View, Shirley, Southampton.  
 Class 34, six varieties not in commerce, one of each: First, Miss V. Warren with some very beautiful trumpets; second, Mr. F. H. Chapman, all very charming; third, F. M. Copeland, Esq., West View, Shirley, Southampton.  
 Class 35, three varieties not in commerce, one of each: First, C. Lemesle Adams, Esq., Pendeford Hall, Wolverhampton, with fine yellow trumpets; second, Mrs. E. Gage-Hogg; third, the Rev. T. Buncombe.

Class 36, three varieties not in commerce, nine blooms of each: First, P. D. Williams, Esq., St. Keverne, perfect gems all of them; second, Mr. F. H. Chapman with three very charming incomparabilis types; third, Mr. A. M. Wilson with massive blooms, but rather lacking in refinement.

Class 37, nine triandrus hybrids not in commerce: First, Mr. F. H. Chapman, the only exhibitor.

Class 38, twelve varieties raised by the exhibitor, one of each: First, P. D. Williams, Esq., with a very charming lot. No other entry.

Class 39, six varieties raised by the exhibitor, one of each: First, Mr. F. H. Chapman, a very fine collection of equal seconds, Mr. A. M. Wilson and T. Batson, Esq., Beaworthy, North Devon.

Class 40, three varieties, one of each: First, the Rev. T. Buncombe; second, C. L. Adams, Esq.; third, G. Stocks, Esq.

Class 41, one bloom, Division 1A: First, Mr. A. M. Wilson with a grand yellow trumpet; second, the Rev. T. Buncombe; third, Mr. W. A. Watts.

Class 42, one bloom, Division 1B: First, P. D. Williams, Esq.; second, Mr. A. M. Wilson; third, T. Batson, Esq.

Class 43, one bloom, Division 1C: First, T. Batson, Esq.; second, P. D. Williams, Esq.; third, the Rev. T. Buncombe.

Class 44, one bloom, Division 2A: First, Mr. A. M. Wilson; second, Mr. F. H. Chapman; no third awarded.

Class 45, one bloom, Division 2B: First, P. D. Williams, Esq.; second, Mr. F. H. Chapman; third, Mr. A. M. Wilson.

Class 46, one bloom, Division 3A: First, P. D. Williams, Esq.; second, Mr. A. M. Wilson; third, Mr. F. H. Chapman.

Class 47, one bloom, Division 3B: First, Mr. A. M. Wilson; second, P. D. Williams, Esq.; third, Mr. W. A. Watts.

Class 48, one bloom, Division 4: First, P. D. Williams, Esq.; second, Mr. A. M. Wilson; third, W. F. M. Copeland, Esq.

Class 49, one bloom, trumpet shaped, Division 5: First, Mr. F. H. Chapman; second, P. J. Worsley, Esq., Clifton, Bristol; third, Mr. F. H. Chapman.

Class 50, one bloom, cup-shaped, Division 5: First, P. D. Williams, Esq.; second, W. F. M. Copeland, Esq.; third, Mr. F. H. Chapman.

Class 51, one bloom, Division 7: First, P. D. Williams, Esq.; second, W. F. M. Copeland, Esq.; third, Mr. A. M. Wilson.

Class 52, one bloom, Division 8: First, P. D. Williams, Esq.; second, Mr. A. M. Wilson.

\* \* \* The Rev. J. Jacob's Notes on Daffodils shown at this exhibition will appear next week.

## SCOTTISH HORTICULTURAL ASSOCIATION.

THE usual monthly meeting of this association was held in the Goid Hall, St. Andrew Square, Edinburgh, on the evening of April 6. There was a large attendance, presided over by Mr. W. G. Pirie, Dalhousie Castle Gardens, president of the association. The exhibits included interesting seedlings from Senecio Moorei, from Mr. Armstrong, Kirknewton Gardens, probably the result of a cross between that Senecio and one of the florists' Cinerarias, and of considerable beauty; and Hippeastrums from Mr. Wright, Strathvie Gardens, with an unusually large number of flowers on the truss. The lecture of the

evening was given by Mr. J. S. Chisholm, Senior Lecturer of the Edinburgh and East of Scotland College of Agriculture, the subject being that of "The Principles of Manuring." Mr. Chisholm dealt with his subject in an unusually able manner, entering thoroughly into it and succeeding in compressing into a lecture of little more than an hour a vast amount of information on the subject. This was enforced by the clearness of delivery and a lucid method of conveying the gist of the subject. This was highly commended by the subsequent speakers. Mr. Chisholm dealt with the principles involved in the application of manures, pointing out the antiquity of the practice of manuring, and showing that what are known as really scientific methods did not enter into the practice until about the middle of the last century, when the researches of Liebig and others led to a review of the practice. The lecturer described the leading manures, and dealt in detail with the respective values of these, together with their capabilities on certain soils and for certain crops. This important part was brought out very clearly and satisfactorily. Mr. Chisholm also discussed the question of the proper times to apply the respective manures, and advocated the purchase of artificial manures separately and mixing them afterwards, taking care, however, that the ingredients of the mixture were such as would answer together. He favoured small successive rather than heavy applications at one time. A short discussion followed, engaged in by several members, who expressed their high appreciation of the lecture. A hearty vote of thanks was given to Mr. Chisholm on the motion of Mr. Scarlett. Thanks were also given to the exhibitors of plants.

## TRADE NOTES.

## AN INTERESTING IRISH CATALOGUE.

WE have just received a copy of the Lissadell alpine and herbaceous plant and tree and shrub catalogue from Mr. J. A. Cooper, Lissadell, Sligo, and, as usual, find it packed with interesting information. The illustrations of alpine plants are particularly good, and as the catalogue is of suitable size for carrying in the coat pocket, it ought to prove useful as a book of reference. The covers are strongly bound, so that it will stand a lot of hard wear. Any readers who are interested in alpine, herbaceous plants, trees and shrubs, &c., should write to the address given for a free copy.

## PERPETUAL-FLOWERING CARNATIONS.

WE are reminded of the wonderful strides that have been made in this country during recent years in the cultivation of Perpetual-flowering Carnations by the receipt of an interesting and useful little catalogue. This comes from Messrs. Young and Co., Hatherley, Cheltenham, a firm which has for many years made a speciality of these charming and useful flowers. A beautiful coloured plate of the variety Lady Nunburnholme forms the frontispiece, and the contents are arranged and described alphabetically, so as to make reference to any particular variety a matter of the greatest ease. We advise readers who are interested in Carnations to write to Messrs. Young and Co. for a free copy of this catalogue.

\* \* \* The Yearly Subscription to THE GARDEN is: Inland 6s. 6d.; Foreign, 8s. 9d.

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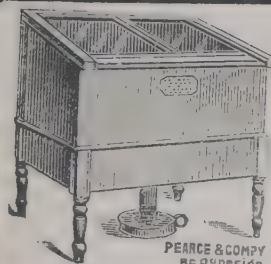
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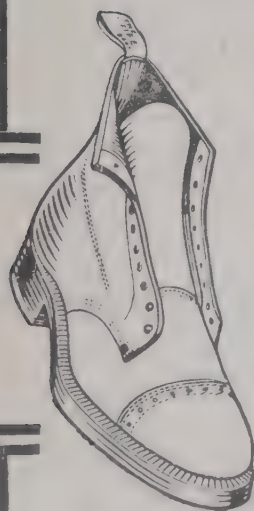
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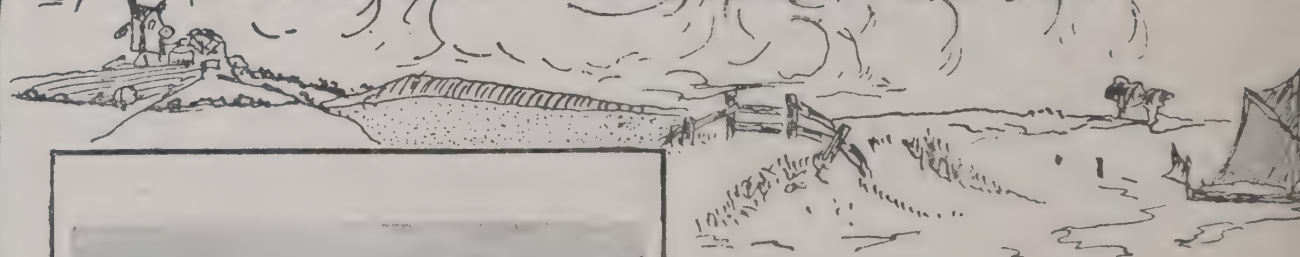
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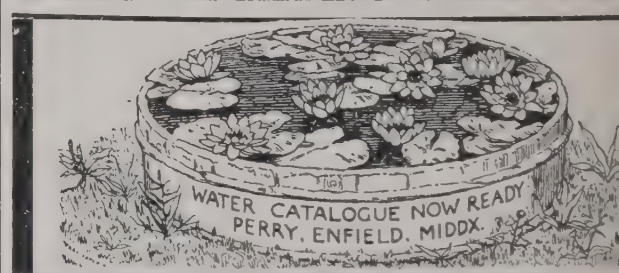
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Any 3 for 2/6; 6 for 4/-; 12 for 7/6; 25 for 14/-; 50 for 25/-.

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General favourites everywhere on account of their hardiness, abundant blooming qualities (being scarcely ever out of flower the whole season), and robust, vigorous constitution. **MRS. JOHN LAING.**—Rich, satiny pink, delicious fragrance; blooms constantly.

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All the above Hybrid Perpetuals are strong, robust, two-year-old trees, every one of which flowered abundantly last season. Any 6 for 4/-; the set of 12 (one of each), for 7/-; 2 sets, 13/-.

**VERY SPECIAL OFFER** of Giant-flowering Hybrid Perpetual Roses. My selection, drawn from very best varieties where I have a surplus. Will transplant splendidly now, every tree having a mass of fibrous roots, and every one flowered all last season. A magnificent range of colour, from pure white to rich crimson. These will make any garden a blaze of colour. 6, all different, for 3/-; 12 for 5/-; 25 for 10/-; 50 for 18/6. Packed free and carriage paid. This is a bargain price so long as stock lasts, as many of these Roses are worth from 1/- to 2/- each.

5/6; 25 for 10/-; 50 for 18/6. Packed free and carriage paid. This is a bargain price so long as stock lasts, as many of these Roses are worth from 1/- to 2/- each.

**DAINTY BABY ROSES OR THE NEW TOM THUMB ROSE** for Edging, Beds, or Pots. The sensational New Dwarf ROSE MME. NORBERT LEVAVASSEUR.—As a pot Rose for greenhouse or window it has no equal, for beds and borders it is simply a mass of crimson the whole of the season, producing such a grand, telling effect that once seen it is not readily forgotten; is very hardy, and will thrive in the poorest soil. Only grow about 1ft. high, and bloom so profusely as to entirely hide the foliage. The foliage is of a beautifully deep glossy green, and is never attacked by disease. It flowers in large clusters from June to November. It is always in bloom. This Rose will prove invaluable for bedding purposes and for pot culture. It has already obtained the five following prizes! Paris Exhibition (May)—Large Silver Medal; Paris Exhibition (November)—1st Class Certificate of Merit by the National Horticultural Society of France; London (April)—1st Class Certificate of Merit, R.H.S.; of London; London (June)—1st Class Certificate of Merit, National Rose Society; Orleans (August)—Gold Medal, highest award, with congratulations from the Judges. Now offered by me in four lovely colours—rich crimson, snow-white, geranium-red, and Dorothy Perkins pink. All the same price, 1/3 each; 4 for 3/-; 8 for 5/6; 12 for 7/6. May be had all one colour or mixed as desired.

**EXTRA CHOICE CLIMBING ROSES.**—All splendid varieties; strong, vigorous trees; all different and correctly named. 6 for 4/6; 12 for 7/6. Real Bargain. Large stock. These will give something more than mere satisfaction.

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**BLACK CURRANTS, BOSKOOP GIANT (New).**—This is the finest and largest Black Currant in cultivation. The fruit is of great size, splendid quality and flavour, and the plant is a most abundant bearer. Even young plants are literally covered with huge bunches of fruit almost as large as Grapes. 4/- per doz. Smaller trees, 3/- doz.

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**TREE STRAWBERRY, or STRAWBERRY-RASPBERRY.**—This is one of the most unique, and at the same time the largest and most beautiful berry of any kind that has yet appeared before the public. It comes to us from Japan, and is one of the Raspberry family, though in many respects it resembles a strawberry growing on a bush two feet high. The plant is entirely hardy in any location, and a most profuse yielder, ripening an enormous crop of fruit in July and August, and more or less all the time up to November. The berries are globular, slightly oblong in form, monstrous in size, a rich glossy, ruby-red colour. Makes a lovely preserve and jelly. 1/3 each; 3 for 2/6; 12 for 7/6.

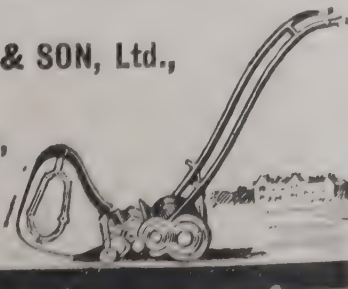
or glorious fragrant Paeonies, the lovely New Hydrangea, and other gems for present planting, see page iii. last week, and REMEMBER ALL SENT POST, OR CARRIAGE PAID.

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## 14 Beautiful Bedding Varieties

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**Golden Oriole**, golden yellow  
**Firefly**, scarlet  
**Lady Hermione**, salmon  
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**Midas**, orange  
**Ibis**, cherry red  
**Solfaterre**, yellow  
**Mrs. Gardiner**, apricot suffused rose  
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**Guinevere**, apricot flaked pink  
**Mrs. R. Gordon**, salmon  
**John Ridd**, canary, striped rosy red

For 10/6

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**Edenside**, rich apricot marked scarlet  
**Zulu**, black maroon  
**Annie Laurie**, blush pink  
**Greyhound**, lavender  
**Goldyllocks**, apricot  
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 18 Strong Plants, Free on Rail.  
 Splendid open ground clumps, not rooted cuttings, a fine display assured.  
 White Jacob's Ladder, 2 ft.  
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 False Dragon's Head, deep pink, 4 ft.  
 Mrs. Morris Michaelmas Daisy, rosy-red, 4 ft.  
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 Aster Lilacina, pretty Starwort, 3 ft.  
 Autumn fl. Monkshood, lavender, 5 ft.  
 Rosy Plume Goatsbeard (Spiraea) 2 ft.  
 Blue Meadow Sage, rich, 1 1/2 ft.  
 White Peach leaved Bellflower, 3 ft.  
 London Pride, beautiful pink, 1 ft.  
 Yellow Mountain Cornflower 2 ft.  
 Iris Bulleyana, Navy Blue, from China  
 Feather Grass, superbly graceful, 2 ft.  
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 The entire Collection 4/-  
 3 of each, 54 plants 9/-, or any 12 items for 2/9

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 6 Clematis. (Sgls. pots 9d. ea.)  
 Vigorous plants in pots, in prime condition for present planting.  
 Henryi, immense white flowers of the lanuginosa type, very free  
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 Scarlet Bergamot, fragrant  
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 Scarlet Pyrethrum, splendid  
 Rosy Catchfly Campion  
 Chinese Globe Flower, yellow

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Under this heading are offered a number of roses which were lifted from the open ground in November, 1914, and carefully planted into 6 inch pots. This was done with the view of meeting the requirements of people who have been obliged to defer planting until rather late in the season, or who require one or two trees, dwarfs or climbers.

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For present planting you can have nothing more suitable. These trees will give you practically the same results as you would have secured had you planted the trees in your garden 4 or 5 months ago. The roots have nicely taken hold of the soil in the pots and if carefully planted without disturbing the ball, growth will be in no way interfered with.

Orders of 5/- value or more will be carefully packed free for cash with order.

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Each 1/- 10/6 dozen.  
 4 at dozen rate.

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 Tausendschon, rosy carmine  
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 Gloire de Dijon, the favourite buff yellow climbing Tea

### Dwarf Roses, strong vig. trees

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 C. Testout, H.T., satin pink  
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 Ethel Malcolm, H.T., ivory white  
 F. K. Druschki, H.P., snowy-white  
 Gen. MacArthur, H.T., scarlet crimson  
 Harry Kirk, T., sulphur yellow  
 Hugh Dickson, H.P., rich crimson  
 Lady Ashtown, H.T., Rose du Barri  
 La Tosca, H.T., silvery pink  
 Liberty, H.T., brilliant velvety crimson  
 Lyon, H.T., shrimp pink, shaded chrome  
 Mme. A. Chatenay, H.T., salmon pink  
 Mme. Ravary, H.T., orange yellow  
 Prince C. de Rohan, H.T., darkest crim.  
 Rayon d'Or, H.B., sunflower gold  
 Richmond, H.T., bright scarlet

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These Roses are pot grown and carry strong well ripened growths. They are admirable for planting in greenhouse or filling gaps on pillar or pergola. The climbers are in 6 to 7 inch pots, Dwarfs in 4 1/2 in. pots.

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Cl. Paul Lede, apricot . . . 2/-  
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 Cambridge Scarlet Bergamot  
 Firefly Pyrethrum, single scarlet  
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 General Heutz Phlox, salmon scarlet  
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 Coup d'Azure Bellflower

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 White Stonecrop  
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 Seguer's Houseleek, pink flowers

### Choice Rock Plants.

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 For Select Positions on Rockery.  
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 Mediterranean Convolvulus  
 Giant Cheddar Pink, rose  
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 Fragile St. John's Wort, yellow  
 Starry Alpine Phlox, lilac  
 Forrest's Primrose, golden  
 Capitata P, magnificent violet  
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 Burser's Larger Rockfoil, white

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Collection No. 20. 4/6 Carriage  
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 Strong healthy specimens in pots, suitable for present planting.  
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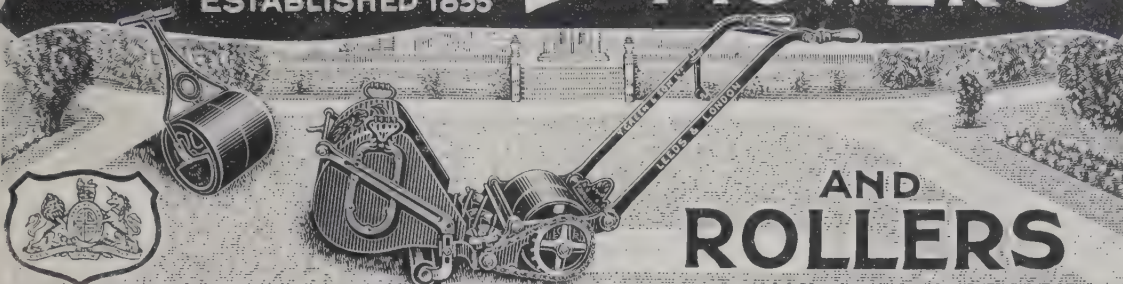
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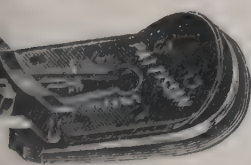


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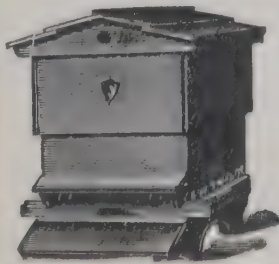
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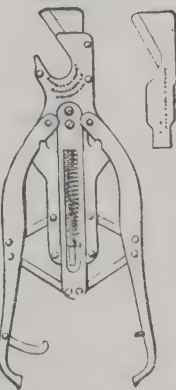
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# ROYAL HORTICULTURAL SOCIETY OF IRELAND. SPRING SHOW.

THE trying season has told even in Ireland on outdoor plants, and signs were noticeable among Daffodils and spring flowers that the superb finish and quality generally to be found on this side of the water are in some seasons withheld from the more exacting varieties. Nevertheless, the Daffodils shown on April 14 and 15 were a fine feature in a good show.

The premier prize for fifty varieties went to Mr. T. Lionel Richardson of Waterford. His most noticeable flowers were Avalanche (a fine white trumpet), Bernardino, Lord Roberts, Prometheus, Spinnaker, Homespun and Whitewell, all of which were shown in perfect condition. He also took first prize in the class for twelve trumpets, and Goldfinch, especially rich in the golden yellow of its clean, smooth trumpet, aided by Weardale Perfection in grand form, would have made this exhibit noticeable at any show. Mrs. Butler's blooms of Conquest, a large bicolor in the second-prize exhibit of this class, were very fine.

In the class for twelve large cups, Major Hinchman obtained first prize. Mermaid (a Giant Leedsii), Spinnaker, Marigold (like a Barrii conspicuus fed on the food of the gods and quite grown up) were very well shown.

In the twelve short cups, Mr. Richardson again took first prize, and his vase of Whitewell reminded the writer of the little old-world garden in the heart of busy Haarlem where he first saw its glories. It is evidently well suited for growing in Ireland, and even in its birthplace in Holland it never showed to greater advantage than in this exhibit and in a group in the enclosed garden at Glasnevin.

Sir Frederick Moore's prizes for a collection of trumpets were well competed for. Miss Malcomson was first, and showed Duke of Bedford and Robert Sydenham in magnificent condition.

The double-flowered varieties always gain in beauty when grown in Ireland, and the blooms of Golden Phoenix, Orange Phoenix, Sulphur Phoenix, Argent, and Butter and Eggs in Mr. R. T. Harris' exhibit were wonderfully fine.

Other features of the show were some magnificent Hyacinths in pots, among which Perle Brillante stood out as a very distinct variety. It is a pale blue of a singularly pleasing cool, clear tone, and the much darker shade of the tubes and backs of the flowers makes it very effective, especially from a distance.

The class for six pots of Freesias was well filled, and the effect of a table full of sturdily grown plants was very charming.

Mr. Murray Hornbrook showed very interesting groups (not for competition) of seedling Saxifrages and rare Primulas; Saxifraga thessalica, with purple red flowers exceedingly well grown and a very attractive species. Seedlings of S. Stribnyi x aretioides were very interesting, one yellow-flowered form quite pretty, the tawny ones more interesting than beautiful.

A beautiful sport of a shrubby Veronica shown by Lady Rathdonnell has variegated leaves of very pleasing combination, green and silvery grey, and the backs of the leaves and therefore the young growths are a deep purple.

Messrs. Hogg and Robertson staged a large collection of seedling Daffodils and some standard varieties. The seedlings were chiefly noticeable for size, but a few showed good points.

Messrs. Watson of Clontarf had a charming group of alpines and flowering shrubs.

## OBITUARY.

### H. B. BIRON.

A GREAT many rosarians will learn with deep regret of the death of the Rev. H. B. Biron, which occurred at Barham, near Canterbury, on the 7th inst. The deceased was one of the most genial men that we have ever met, and his keen interest in Roses extended over a very long period. As a judge of these flowers he was much in request. At the Council meeting of the National Rose Society held in London last week, several members paid warm tribute to the services that he had rendered, not only to the society, but to the Rose generally. He was a very fluent writer, and never failed to impart to his articles that wonderful, quiet humour so characteristic of the man. In his younger days he was a very ardent county cricketer, playing regularly for Kent.

### Sale of the Late Mr. J. Chamberlain's Orchids.

On April 15 and 16 the late Mr. J. Chamberlain's Orchids were disposed of at Messrs. Protheroe and Morris' auction rooms in Cheapside, E.C. The collection had become famous on account of the frequent references to it in the lay Press, but it contained no exceptionally rare and choice examples such as can be found in many other private establishments to-day. There was quite a crowd for an Orchid sale, and undoubtedly sentiment played an important part in the bidding,

for although no high prices were realised, some of the plants fetched good sums, and there were no bargains. The trade was fairly well represented, but private buyers were in a great majority. On the first day of the sale the highest price attained was 12 guineas for a plant of Odontoglossum Insleayi splendens, which was purchased by Mr. Waters Butler, who has a fine garden in the Highbury district of Birmingham. On the second day of the sale another piece of the same plant was sold for 11 guineas. A few other prices were as follow: Cattleya labiata magnifica, 3½ guineas; Lælia anceps schroederiana, 6 guineas; L. a. Stella, £2 15s.; L. a. chamberlainiana, two fine plants, 5½ guineas; and a fine example of Cattleya bowringiana was knocked down for £2 5s. For the most part the remaining lots were sold from 6s. to 30s. each, and the bidding proceeded in shillings as a general rule. Thus the popular fallacy of the value of the Highbury collection was exploded.

### CATALOGUES RECEIVED.

Mr. J. A. Cooper, Lissadell, Sligo, Ireland: Alpine and Herbaceous Plants, Shrubs, Roses, Fruit Trees, &c.  
Mr. C. Engelmann, Saffron Walden, Essex: Perpetual-flowering Carnations.

\* \* The Yearly Subscription to THE GARDEN is: Inland, 6s. 6d.; Foreign, 8s. 9d.

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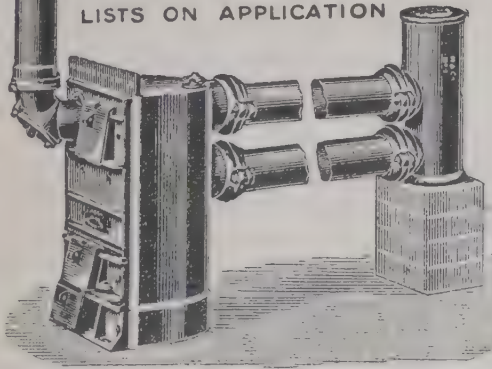
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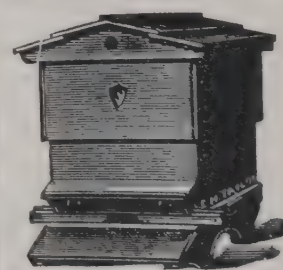
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Leonard's Avena, red tinted  
Double Golden Buttercup (bullatus pl.)  
John Forbes Phlox, lilac  
White Barrenwort, lovely foliage  
Canadian Golden Rod  
Scarlet Bergamot, fragrant  
Purple Siberian Iris  
Scarlet Pyrethrum, splendid  
Rosy Catchfly Campion  
Chinese Globe Flower, yellow

### Select Border Flowers.

Collection No. 18. 4/- Packed  
12 Plants, Free on Rail.  
12 "Better Class" Hardy Perennials.  
3 each, 12 sorts, 36 plants, 9/-  
Double Belladonna Larkspur, azure  
Eureke Larkspur, gentian blue  
Red Autumn Sneezewort  
Hybrid Columbine Aquilegia  
Perry's Large White Achillea  
Cambridge Scarlet Bergamot  
Firefly Pyrethrum, single scarlet  
Double Mich. Daisy, Glory of Colwall  
General Heutz Phlox, salmon scarlet  
Gauze Flower, Gypsophila  
Bees' Scarlet Alum Root  
Coup d'Azure Bellflower

### Dahlias and Early Chrysanthemums.

Violas, etc., are illustrated in  
natural colours in List No. 52. If  
you are interested, write for it.  
You should also ask for Rose and  
Shrub and Plant Catalogues if you  
are a buyer. All are gratis and  
post free.

## Roses in Pots.

### Potted Roses.

Under this heading are offered a num-  
ber of roses which were lifted from the  
open ground in November, 1914, and care-  
fully planted into 6 inch pots. This was  
done with the view of meeting the require-  
ments of people who have been obliged  
to defer planting until rather late in the  
season, or who require one or two trees,  
dwarfs or climbers.

### To fill up gaps.

For present planting you can have noth-  
ing more suitable. These trees will give  
you practically the same results as you  
would have secured had you planted the  
trees in your garden 4 or 5 months ago.  
The roots have nicely taken hold of the  
soil in the pots and if carefully planted  
without disturbing the ball, growth will  
be in no way interfered with.  
Orders of 5/- value or more will be  
carefully packed free for  
cash with order.

Price is in all cases the same.

Each 1/- 10/6 dozen.  
4 at dozen rate.

### Climbing Roses, stems 3 to 6 ft.

Hiawatha, crimson and white  
Dorothy Perkins, beautiful pink  
Crimson Rambler, very brilliant  
Dorothy Dennison, lovely shell pink  
Blush Rambler, apple blossom  
White Dorothy Perkins, pretty  
Tausendschon, rosy carmine  
Lady Gay, cherry pink  
Gloire de Dijon, the favourite buff yellow  
climbing Tea

### Dwarf Roses, strong vig. trees

Betty, H.T., coppery rose  
C. Testout, H.T., satin pink  
D. Ratcliffe, H.T., coral red and yellow  
Ed. Mawley, velvety crimson  
Ethel Malcolm, H.T., ivory white  
F. K. Druschki, H.P., snowy-white  
Gen. MacArthur, H.T., scarlet crimson  
Harry Kirk, T., sulphur yellow  
Hugh Dickson, H.P., rich crimson  
Lady Ashtown, H.T., Rose du Barri  
La Tosca, H.T., silvery pink  
Liberty, H.T., brilliant velvety crimson  
Lyon, H.T., shrimp pink, shaded chrome  
Mme. A. Chateau, H.T., salmon pink  
Mme. Ravary, H.T., orange yellow  
Prince C. de Rohan, H.T., darkest crim.  
Rayon d'Or, H.B., sunflower gold  
Richmond, H.T., bright scarlet

### Established Roses in Pots

These Roses are pot grown and carry  
strong well ripened growths. They are  
admirable for planting in green-house or  
filling gaps on pillar or pergola. The  
climbers are in 6 to 7 inch pots, Dwarfs  
in 4½ in. pots.

### Climbing Tea and H.T. Roses.

Cl. Paul Lede, apricot - 2/-  
Cl. Perle des Jardins, gold - 1/-, 2/-  
Cl. Liberty, crimson - 1/- to 2/6  
Cl. Mrs. W. J. Grant, pink - 1/-, 2/6  
Cl. Richmond, scarlet - 1/-, 1/6  
C.L. Niphetos, white - 1/-, 3/-  
Marechal Niel, lemon - 1/-, 3/-  
W. A. Richardson, orange - 1/-, 3/-

### Rambler Roses.

Aviateur Bleriot, saffron-yellow 1/- to 3/-  
Coronation Rambler, red - 1/-, 3/-  
Dorothy Perkins, pink - 1/-, 3/-  
Excelsa, scarlet - 1/-, 3/-  
Hiawatha, crimson and white - 1/6, 2/6  
Shower of Gold, gold-yellow - 1/6, 2/6

### New Dwarf Roses.

Mme. Ed. Herriot (Daily Mail R.) - 2/-  
Mrs. A. Carnegie, white - 2/6  
Mrs. F. W. Vanderbilt, cop.-yellow - 1/6  
Carine, lovely pale flesh - 1/-  
Coronation, H.P., flesh pink - 2/-  
Old Gold, gold tinged scarlet - 2/6  
Willowmere, peach pink - 2/-  
H. E. Richardson, crimson - 2/6  
C. Easlea, saff. yellow - 2/6  
Lady M. Ward, deep orange - 2/6

## Shrubs, Clematis.

### Hardy Clematis.

Collection No. 23. 5/- Carriage Paid.  
6 Clematis. (Sgle. plts, 9d. ea.)  
Vigorous plants in pots, in prime con-  
dition for present planting.

Henryi, immense white flowers of the  
lanuginosa type, very free.

Jackmanni, splendid royal purple, with  
intensely brilliant violet shading.

Red Jackmanni (Mme. Ed. Andre), a  
beautiful bright colour like red velvet.

Montana, a very distinct type, with  
white flowers like a Japanese Anemone,  
produced in Spring and early Summer in  
perfectly prodigious quantities

Flammula "Virgin's Bower." — The  
vanilla-scented "Bine" resembles "Old  
Man's Beard," is a first-class thing for  
rapidly covering trellis, pillars, walls  
where there is something to cling to, or  
any rough surface; will convert an old  
tree stump into a bower of beauty and  
fragrance.

Belle of Woking, one of the finest  
Double-flowered Clematis. The blooms  
are silvery-grey with creamy yellow  
centre. 1/- each, 6 for 5/-

### Ornamental Shrubs.

Collection No. 20. 4/6 Carriage  
6 Bushes. Paid.  
Strong healthy specimens in pots, suit-  
able for present planting.

Valdavian Holly (Azara microphylla).  
Rich evergreen foliage, vanilla scented  
flowers, orange-coloured berries. Per-  
fectly hardy; a splendid wall shrub, does  
well in the open; one of the few satisfac-  
tory evergreen Town shrubs. 6d., larger  
bushes 9d.

Chinese Buddle Bush (Buddleia mac.  
yunnanensis), NEW. — Silvery foliage,  
beautiful mauve flowers in spikes 12 to 18  
inches or more in length; fragrant;  
makes a handsome bush in open ground.  
quite hardy. 9d., extra fine bushes 1/6

Simon's Quince (Cydonia), mag.ificent  
Begonia — scarlet flowers, shaped like a  
wild rose, a truly superb shrub for sunny  
walls or open situations, hard as nails. 1/-

May Broom (Cytisus praecox). — During  
May and June this shrub is a foam-like  
mass of delicate creamy yellow blossoms.  
9d., larger trees 1/-

Ingram's Escallonia, a very handsome  
shrub for sunny wall. It has shining  
emerald green foliage and dainty pink  
flowers. Excellent for seaside and towns.  
6d., extra strong 9d.

Scotch Fuchsia (Riccartoni), blooms  
all the summer and lives through the  
keenest winter unharmed, produces a  
fine effect of dazzling scarlet and glowing  
purple. 6d.

### Flowering Bushes.

Collection No. 21. 4/- Carriage  
6 Bushes. Paid.  
Fine shrubs grown in pots, for present  
planting. Success certain.

Franco-British Speedwell (La Sedui-  
sante), a shrub of more than ordinary  
splendour; richest purple flowers glow  
amongst emerald green foliage. 6d.,  
larger 9d.

Spanish Broom (Spartium). — A bush of  
the most elegant proportions and habit,  
with fragrant golden pea-like flowers,  
which perfume the air for yards around.  
6d., larger 9d.

Graham's Crimson Sage. — In a sunny  
position this shrub produces crimson-  
lake flowers of the utmost brilliance. 6d.

Starry Daisy Bush. — Can you imagine  
a handsome hardy evergreen of bushy  
habit clothed in an almost unbroken  
mantle of white flowers resembling a  
huge star-flowered Cineraria. 6d.,  
larger 9d.

Munstead Lavender. — The common  
Lavender is lovable enough, but this  
form is an improvement in three direc-  
tions; it is dwarfier, has larger spikes of  
bloom and flowers earlier. 6d., larger 9d.

St. Peter's Wort. — This is a giant form  
of St. John's Wort, or the Rose of Sharon,  
with golden-yellow pincushion-like  
flowers. 6d., larger 9d.

### Booklets.

In order that there may be no  
obstacle to success Bees Ltd. have  
prepared two booklets—"A B.C.  
of Rose Culture," and "A B.C. of  
Bulb Culture" each 1½d. post free.  
Each Book contains 32 pages  
and 4 pages colour photos.  
ORDER OR WRITE NOW.  
"Lest you Forget."

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175c, Mill Street,  
LIVERPOOL.



## SEEDLING AND NEW VARIETIES.

In Class 27, for a group of twelve varieties of seedling Daffodils that have been raised by the exhibitor, four competitors came forward, the first award, including the Bourne Challenge Cup, going to Mr. P. D. Williams, whose flowers were all under numbers. Messrs. Barr and Sons were second; and Mr. P. J. Worsley, Clifton, third. Dr. David, a large trumpet variety with cream perianth and primrose trumpet, was very fine here.

The class for six varieties of seedlings raised by the exhibitor and not in commerce was splendidly contested, no fewer than nine competitors trying conclusions. Mr. A. M. Wilson was first with magnificent numbered varieties; second, Mr. T. Batson, Beaworthy; third, Mr. W. F. M. Copeland, Southampton; fourth, Mr. J. W. Thornton, Weedon.

In a similar class for three varieties ten exhibits were staged, Captain H. G. Hawker, Errington, Devon, being placed first with some very beautiful flowers. Mr. J. S. Parker of Bristol was a good second; Mr. J. H. Padley, Worksop, and Mr. C. Lemesle Adams, Wolverhampton, following in the order given.

In the Novice Seedling Challenge Cup class, three varieties of seedling Daffodils raised by the exhibitor and not yet in commerce were asked for. Mr. J. S. Parker was first out of eight competitors, staging some very clean and good unnamed flowers. Mr. C. L. Adams was a close second, Mr. J. H. Padley and the Rev. J. Jacob following in the order given.

The class for six varieties of any section that have not been in commerce more than four years also brought forth eight exhibits, the premier lot being shown by Mr. A. M. Wilson, all under numbers. Mr. T. Batson was second, his Melpomene and Umbra being good; third, Mr. C. Bourne; fourth, the Rev. J. Jacob.

In Class 33, for three varieties, similar conditions to the foregoing, only four exhibits were staged, Mr. N. Y. Lower, Presteign, being first; second, Miss Pope; third, the Rev. T. Buncombe.

For the Herbert Chapman Poeticus Trophy, three varieties of true Poeticus not yet in commerce, there were four exhibitors, Mr. A. M. Wilson being placed first; second, Mr. F. H. Chapman.

The Walter Ware Challenge Cup, offered for eighteen varieties of triandrus hybrids, brought four groups, Messrs. Barr and Sons securing the premier award with a beautiful lot of flowers, nearly all shown under number. Mr. F. H. Chapman and Mr. W. F. M. Copeland followed in the order named.

For three varieties of Daffodils not in commerce, Mr. A. M. Wilson was first, his flowers being perfect; second, Mr. F. H. Chapman; third, Miss Pope.

For the White Daffodil Trophy, offered for six varieties of white or those known to go almost white, five exhibitors entered, Mr. P. J. Worsley being first; second, Mr. A. M. Wilson.

## GROUP C.—CUT BLOOMS.

## OPEN TO AMATEURS ONLY.

Class 38, for a collection of Daffodils, twenty-four varieties, conditions as in Class 1, was one of the most popular and well contested in the show, there being nine exhibitors. First prize went to Mr. N. Y. Lower, Presteign, who had a very fine collection of flowers, notable among them being Lady Margaret Boscawen, Harold Finn, Dante, Red Chief and Lucifer. The Rev. T. Buncombe was a good second, the vases of Aline Skelton, Treasure Trove, Amber and Lady Margaret Boscawen being extra good. Mr. E. H. Wood, Ludlow; Mr. W. F. Mitchell, Leek Wootton; and Mr. H. R. Darlington, Potter's Bar, followed in the order named.

The class for nine varieties of trumpet Daffodils was also splendidly contested, ten exhibitors trying conclusions. The premier award went to the Rev. T. Buncombe for a magnificent lot of blooms. Agatha, Treasure Trove, Weardale Perfection and Aline Skelton were the best of a fine lot. Mr. N. Y. Lower followed closely, his Judge Bird and Olympia calling for special mention. Third, fourth and fifth prizes went respectively to the Rev. Canon Fowler, Reading; Mr. H. R. Darlington and Mr. E. H. Wood.

Class 40, for three varieties of incomparabilis, was well contested, the prize-winners being as follow: First, the Rev. T. Buncombe; equal second, Mr. N. Y. Lower and Mr. E. H. Wood; fourth, Mr. H. R. Darlington; fifth, the Rev. Canon Fowler.

In Class 41 Mr. N. Y. Lower was first, the Rev. T. Buncombe, Mr. E. H. Wood, Mr. H. R. Darlington and Mr. R. Morton following in the order given.

For three varieties of Barri Daffodils the Rev. T. Buncombe was first; second and third prizes going respectively to Mr. N. Y. Lower and Mr. R. Morton (equal).

The Barr Daffodil Vase, offered for the winner of the most points in Classes 13 to 26 and in Group C was awarded to Mr. N. Y. Lower.

The Birmingham Botanical and Horticultural Society's silver and bronze medals, offered to the exhibitors obtaining the greatest number of points in Classes 2 to 26, were won respectively by Mr. C. Bourne and Mr. A. M. Wilson; and in Classes 13 to 26 and in Group C went respectively to Mr. N. Y. Lower and the Rev. T. Buncombe.

## NON-COMPETITIVE GROUPS.

Messrs. J. R. Pearson and Sons of Lowdham, Notts, staged a beautiful group of various sections, the whole of the flowers being fresh and clean. A vase of Bernardino was superb, and others that called for special mention were Vestal Virgin, large trumpet of primrose with white perianth; Puritan Maiden, medium-sized, all-white, refined trumpet; Scarletta, very vivid; and Lowdham Beauty. A large number of very promising seedlings

were included in this most interesting group. Silver-gilt medal.

Messrs. Cartwright and Goodwin of Kidderminster were present with a very attractive lot of flowers, clean and well staged. Van Waveren's Giant; Mozart, with vivid scarlet-edged, flat cup; Chryse, very deep yellow Jonquil hybrid of large size; Sunrise, small cup of bright orange scarlet; and White Emperor, beautiful white trumpet, all called for special mention. Silver-gilt medal.

Messrs. R. H. Bath, Limited, of Wisbech put up a fine group in their usual excellent style, the flowers being good throughout. Among other notable varieties were Centurion, Silver Dawn, Sarabande (a fine Poet), Incognita and Lady Mayoress. Silver-gilt medal.

Mr. Christopher Bourne of Bletchley brought some of his best flowers, staging them in semi-circular bays so as to show them off to the best advantage. The centre was occupied with the red-cupped variety Queen of Hearts, with Whitewell, Starboard Light, Red Lady, Bernardino and many other superb sorts to keep them company. Silver medal.

Robert Sydenham, Limited, Tenby Street, Birmingham, had a large and varied group of good, clean flowers, these embracing many of the latest sorts. King Alfred was superb, and the same could be said of the fine bunches of Horace. Other notable sorts were Mrs. Robert Sydenham, Evangeline, Lady Margaret Boscawen, Charm (with a large, very vivid red cup), and Great Warley. Silver medal.

The group from Mr. Walter T. Ware of Bath was, as usual, of a very high character. Queen of the West occupied a prominent position in the centre, while other fine varieties were Somerset, a very large but refined all-yellow trumpet; Horace, in superb form; Evangeline, very large and good; Lolah, all-white trumpet, very refined; and Sunrise, with a flat, scarlet cup. There were also many superb seedlings shown under numbers in this group. Silver medal.

Messrs. Barr and Sons of King Street, Covent Garden, occupied their usual position at the end of the hall, putting up a magnificent and varied group of clean, large and refined flowers, which included Titania (Leedsii), a most striking flower, pure white perianth, cup apricot, edged lemon; Bloodstone, a lovely flower with round, snow white perianth and deeply flanged cup, fiery orange; Noblesse, a beautiful giant white trumpet variety; Cleopatra, Icepeak, Elgiva, Nyssa, also a fine range of triandrus hybrid seedlings. Nannie Nunn (Barri) has a broad primrose perianth and deep orange scarlet cup; Serapis (Barri), reflexing white perianth, the large orange crown lying flat on the perianth; Cædmon (Poeticus), a most striking flower, broad, snow white perianth, bold eye, broadly rimmed dark red; Marie Louise (Barri), perianth pure white, large fluted cup, intense scarlet; Ruby (Barri), flower of perfect rounded form, perianth white, pretty fiery red cup; and Brunhilde, a fine Giant Leedsii variety. Gold medal.

The Donard Nursery Company, Newcastle, County Down, had a fine lot of Daffodils, King Alfred, massed in the centre, forming a wonderful bit of colour. Crystal, Lady of the Snows, Great Warley and Lady Margaret Boscawen were others that called for special note. Silver medal.

Messrs. James Carter and Co., Raynes Park, had a beautifully arranged group, the centre composed of vases of King Alfred, Horace, Winsome, Mrs. Gamp, Queen of the West, White Lady and White Nectarine were other beautiful flowers in this exhibit. Silver medal.

Mr. A. M. Wilson staged a wonderful collection of flowers, a great many of which were under numbers only. A superb bloom of Gascon, with an enormous perianth of pale primrose and a large, deep scarlet cup, attracted a great deal of attention. Silver-gilt medal.

Non-competitive groups other than Daffodils were staged by a number of firms.

Bakers, Limited, of Wolverhampton had a small rock garden in the form of a bank, this being replete with such Aubrietias as Fire King, Mrs. Lloyd Edwards and J. S. Baker, Ranunculus montanus, Daphne Cneorum major, Arabis brevifolia and Violas in quantity. Silver-gilt medal.

St. Brigid Anemones were well shown by Messrs. Reamsbottom, King's County, Ireland, the varied colours and unique forms attracting much attention. Silver medal.

Roses in quantity came from Messrs. B. R. Cant and Sons, The Old Rose Gardens, Colchester. The flowers were all clean and good, Fortune's Yellow and the new seedling single pink pillar variety Cupid coming in for much attention from visitors. Gold medal.

Carnations of the Perpetual-flowering class were well shown by Messrs. Young and Co. of Cheltenham, the high quality and colour of the flowers being freely remarked upon. Silver-gilt medal.

## NORFOLK AND NORWICH SPRING SHOW.

THIS fixture was held in the Corn Exchange, Norwich, on April 22, and in spite of the prevailing spirit of not holding such shows, a very creditable assemblage of exhibits was staged, 117 entries being received. Narcissi are usually the predominating feature, and this year the leading local growers of this flower were able to set up blooms in fine condition. The most prominent of these was Mr. G. D. Davison, Westwick House Gardens. It was quite an eye-opener to see the wonderful strides that this raiser is making year by year with his seedlings. The trumpet section seems to be his special forte. As an instance, in one class for thirty-six varieties, three blooms of each, he staged seventeen varieties of his own raising, three of which were unhesitatingly granted first-class certificates, and quite modestly Mr. Davison said to the writer, "I can yet beat any on the stand," although the

massive variety Thor was included. Mr. A. Woodhouse, gardener to Lord Cozens-Hardy, Cley Hall, also had some extra good flowers, as also did Mr. J. C. Blofield.

A lady exhibitor, Miss Joy Cozens-Hardy, was well placed with her entries, winning one first and two seconds. Mr. Frank Neave, Lingwood, occupied first place twice in the classes for small growers. This exhibitor also won first for Polyanthus with a strain of his own, which he has worked up to a high standard of shape and colour, and he was also first for flowering shrubs.

Tulips were best represented by those sent by J. A. Berners, Esq., Hellesdon House. Violets were represented by two exhibitors, the first prize being won by Mrs. Stedman. Although only two exhibits were staged for the group of Carnations, they were both very good, and gave the judges a hard task. The first prize was eventually won by G. E. White, Esq., Eaton, whose blooms were very fresh and the colours distinct. The other exhibitor was Mr. H. Terry, gardener to Lord de Ramsey, Haverland Hall.

Pot plants, taken on a general survey, were very much behind those usually seen at Norwich Spring Show, the exception only being in the case of Cyclamen, and here some extra well grown plants came from several exhibitors. Mr. F. J. Endersby, gardener to J. H. Gurney, Esq., Keswick, was placed first for six plants, his exhibit being very even and the plants carrying a profusion of flowers. This exhibitor also had the best pot Roses.

Of the fruit and vegetable classes little can be said; numerically they were a failure. The outstanding feature was the dish of Strawberries shown by Mr. H. Terry, gardener to Lord de Ramsey.

The trade growers supplied the best features of the show. Their exhibits were truly a fine spectacle.

Messrs. Daniels Brothers, Limited, Town Close Nurseries, Norwich, arranged two miniature rock gardens and planted them with choice alpine, &c., in season, which proved a source of much attraction to visitors. Besides these, they had bold masses of cut Roses, Carnations and a display of forced shrubs. Silver-gilt medal.

Hobbies, Limited, Dereham, devoted their exhibit entirely to Roses. The outstanding features were the grand plants of the best ramblers and bold masses of the Dwarf Polyantha types. Nor did they omit the newest and best of the Hybrid Teas. Silver-gilt medal.

Messrs. A. J. and C. Allen, Norwich, also had a superb show of Roses, comprising weeping standards, Polyanthas and Hybrid Teas in pots, with huge bunches of popular kinds to add effect. They also included a new feature, viz., a bold bank of the best Clematis, profusely covered in bloom. Gold medal.

Messrs. Sutton and Sons had a large bank of Narcissi, included in which were many promising seedlings under numbers.

Mr. G. W. Miller, Wisbech, staged an interesting mixed collection of hardy flowers.

Messrs. Young and Co., Cheltenham, had an educational exhibit of Carnations.

Messrs. Reamsbottom and Co. displayed some of their gorgeous Anemones.

The secretarial duties were ably carried out by Mr. B. Knyvet-Wilson.

## ROYAL HORTICULTURAL SOCIETY.

THE meeting held on April 27 was the most complete and representative of the year, and all classes of flowers were well shown. In addition to the usual fortnightly meeting, the exhibition of the National Primula and Auricula Society was held, the whole constituting a flower feast of rare excellence. Daffodils were in great numbers and much variety. Roses have rarely been more finely or numerously displayed. Alpines and rock garden exhibits, with flowering shrubs and Carnations, added an interest inseparable from these early meetings of the year.

## FLORAL COMMITTEE.

Present: H. B. May, Esq. (chairman), and Messrs. C. T. Drucry, R. Hooper Pearson, R. C. Notcutt, J. W. Barr, J. Green, W. J. Bean, G. Harrow, J. Hudson, W. J. Moorman, C. R. Fielder, B. Crisp, J. F. McLeod, W. Howe, J. Jennings, F. W. Harvey, A. Watkins, J. Dickson, C. Dixon, A. Turner, C. E. Shea, C. E. Pearson, W. P. Thomson, E. H. Jenkins, J. W. Baker and George Paul.

Messrs. Barr and Sons, Covent Garden, W.C., staged a pretty assortment of alpine and bulbous plants, in which Irises of the pumila set, Fritillaria Melagris in variety, F. Olivieri (green and purple), Tulipa Haageri var. nitens (of reddish scarlet hue), Anemone robin-oniana, Dog's-tooth Violets, brilliant Mossy Saxifrages, and the interesting Ophrys tenthredinifera were a few. Narcissus triandrus calathinus and Primula Juliae were also good.

Mr. Vincent Slade, Taunton, had a showy group of Polyanthus Crimson Giant and a collection of Zonal Pelargoniums in bunches, the most brilliant being Maxime Kovalevsky.

Messrs. Jarman and Co., Chard, had a few well-flowered examples of the Cactus forms of Cincaria, blue, white and pink coloured shades predominating.

Messrs. Alex. Dickson and Sons, Newtownards, County Down, Ireland, showed some admirable stands of Roses, with others in boxes. Of the former, Killarney Brilliant (rose cerise), Duchess of Westminster (pink, very large), Mrs. S. T. Wright (orange and salmon), Melody (gold and cream), Lady Greenall (blush) and Lady Dunleath (deep cream) were all beautiful. These are all seedlings raised by the firm. A pretty variety was also shown in boxes.

Messrs. Stuart Low and Co., Enfield, had an interesting group of Acacias in variety, Eriostemons, Hydrangeas, Heaths, Aphelaxis and other hard-wooded plants not often seen to-day. The Acacias were very beautiful.



Mr. L. R. Russell, Richmond, had a showy table of Azaleas, Clematises and evergreen and flowering shrubs. *Nertera depressa* in well-fruited examples were also nicely shown.

Messrs. B. R. Cant and Co., Colchester, showed an admirable lot of Roses in stands and boxes, the former of quite an imposing character. In the background were handsome trained examples of White Dorothy, Ethel (pink), Blush Rambler, White Blush Rambler and Fortune's Yellow; while the stands of Mme. Edouard Herriot, Frau Kar Druschki, Dean Hole, Austrian Copper, Goldfinch and Climbing Polyantha were among the best. Captain Cant (new, glowing cerise) was admirably shown throughout. Of the whole, we thought Goldfinch and Fortune's Yellow the most fascinating.

Messrs. T. S. Ware, Limited, Feltham, had many showy hardy flowers, forming colonies of Mossy Saxifrages, *Anemone ranunculoides*, *Daphne Cneorum*, *Ranunculus amplexicaulis*, *Dodecatheons*, *Aubrietias*, *Trilliums* and others. The *Aubrietias* were very fine.

Mr. H. Burnett, Guernsey, staged a superb lot of Carnations, arranging vases of glorious flowers of such as Marmion, Mrs. C. F. Raphael, Mary Allwood, Carola, Triumph, Salmon Enchantress, Mandarin (yellow fancy), Lady Ingestre (a lovely shade of pink and of superb quality), with Mrs. Clode (the most fragrant of all Carnations) and the indispensable Mikado. White Wonder and White Enchantress were also good.

Mr. James Box, Lindfield, Sussex, had an interesting and showy collection of plants, of which *Omphalodes cappadocica* (rich blue), *Primulas Juliae*, *rosca* and *Sieboldii* in variety, *Mertensia virginica*, *Saxifraga calyciflora*, *Androsace vitaliana* (yellow), *Iris bucharica* and hardy Heaths were among the more charming.

Messrs. Whitelegg and Page, Chislehurst, had a capital lot of *Daphne Cneorum*, together with *Primulas*, *Aubrietias* and other early hardy flowers, the whole being attractively displayed.

Mr. Elisha J. Hicks, Twyford, had a nice lot of Roses, the most conspicuous item being the single crimson Princess Mary, a glorious bit of colour in a highly fragrant flower. Mrs. George Norwood (pink, fragrant) and Mrs. Edward Alford (Hybrid Tea, pink) were also good among many.

Mr. George Prince, Oxford, showed some charming Roses, Pillar and rambler sorts were well displayed. Josephine Nicholson (a pink-flowered Hybrid Tea), Mme. Edouard Herriot, Flame (a good wickuriana), Old Gold, Lady Hillingdon, White Maman Cochet, Snow Queen and the pretty coppery red wickuriana Joseph Billard were among the best in a fine lot.

Mr. Clarence Elliott, Stevenage, showed a bank of alpine flowers associated with rockwork. Some of the most charming things were *Primula* Mrs. Wilson, *Phlox nivalis* (pure white), *Douglasia vitaliana* (a yellow-flowered alpine), *Armeria caespitosa*, *Primula Auricula*, *Gentiana acaulis* and *Cytisus Ardoini* (yellow), all of which were prettily arranged.

Mr. M. Prichard, Christchurch, showed alpine in charming style. Groups of *Aubrietia Lavender*, *Primula* The General, *P. ciliata coccinea*, *P. frondosa*, *Saxifraga aretioides* and its more lovely variety *primulina*, *Androsace villosa*, with masses of Mossy Saxifrages, *Silene saxatilis*, *Anemone nemorosa major*, *Gentiana acaulis* and *G. verna* were among the more beautiful. Perhaps the most interesting plant was *Cheiranthus Newark Park*, a lovely Wallflower of bronzy orange colour.

Messrs. J. Cheal and Sons, Crawley, showed hardy flowers and shrubs, the former including *Anemones*, *Aubrietias*, *Androsaces*, Mossy Saxifrages and others, with which also were included the showy scarlet *Alonsoa incisifolia* and brilliant and useful annuals or biennials. Shrubs included *Spiraeas* and *Pyrus japonica Euphrosyne* (a pure white form). *Forsythia intermedia* was good.

Messrs. W. Cutbush and Sons, Highgate, showed a good group of Azaleas, Hydrangeas, Polyantha Roses and well-flowered bushes of *Rhododendron Countess of Haddington*.

The Misses Tanner and Tait, Bushey, had some admirable examples of *Schizanthuses* and *Cinerarias*, well-flowered bushes, 3 feet or so high, showing these to perfection. *Cineraria Feltham Blue* was very fine.

Messrs. George Paul and Son, The Old Nurseries, Chestnut, had a lovely group of Roses, standards, weeping and climbing sorts and Hybrid Teas being shown to perfection. Of the latter we noted Sunburst, Freda, Mrs. Forde, George C. Waud, Edward Mawley (crimson maroon), Mrs. F. W. Vanderbilt (salmon and orange) and others. Mme. Edouard Herriot was very fine as a centrepiece, while above and around were Roses in high excellence.

Messrs. R. and G. Cuthbert, Southgate, had a remarkable exhibit of forced shrubs, Lilacs, *Genistas*, Azaleas, Flowering Currants, *Cytisus*, *Wistaria*, *Guelder Roses*, *Laburnums* and others being shown in profusion. The group was in great variety and admirably arranged.

Messrs. Piper, Bayswater, showed alpine on rockwork, a sumptuously clothed bank of the best in *Primulas*, Saxifrages and other early flowers.

Messrs. Wills and Segar, South Kensington, S.W., had a particularly good lot of Indian Azaleas, many of the standards and half-standards, 2 feet or so across, being smothered with bloom.

Messrs. Waterer, Sons and Crisp, Limited, Bagshot, had a very pleasing exhibit of rockwork, arranging a meandering path through the centre. Banks at right and left were aglow with the choicest alpine, such as *Ethionema Warley Rose*, *Mertensia primuloides*, *Draba ciliolata*, and Mossy Saxifrages in great beauty and variety, these being tastefully disposed. One of the most beautiful of the Mossy Saxifrages was *S. sanguinea*

superba. *Myosotis Ruth Fischer* gave a lovely bit of blue.

The Misses Hopkins, Shepperton-on-Thames, showed many alpine in variety, *Primulas*, *Aubrietias*, *Phloxes* and others making a pretty show.

Messrs. W. Cutbush and Sons, Highgate, N., had a nice lot of Carnations, Carola, Countess Fitzwilliam (both crimson) and Mrs. Lucy Mackinnon being some of the best. Of hardy plants the firm showed *Iris bucharica*, *Primulas*, *Ranunculus amplexicaulis*, *Aubrietias* and others in good condition. *Thalictrum anemonoides* was very pretty.

Messrs. Allwood Brothers, Hayward's Heath, showed some good Carnations, Wivelsfield White, Mary Allwood, Fairmount and Mrs. C. F. Raphael being some of the best.

Messrs. G. and W. Burch, Peterborough, had some excellent Roses in boxes. Edward Mawley, Theodore Roosevelt, Queen of Spain (very fine), Mrs. Joseph Welch (pink), Elizabeth, George Dickson and Innocente Prola were all good.

Messrs. F. Cant and Co., Colchester, also had a handsome lot of Roses, standards, climbers and others, in the cut state. Mme. Melanie Souper, Juliet, Le Progrès, Lady Roberts (very charming), Willowmere and Marquise de Sinety were all noteworthy. Sunburst was very beautiful.

Messrs. Wells, Merstham, exhibited the pink-flowered *Antirrhinum Nelrose* in good condition, the tall spikes attracting much attention.

Messrs. H. Cannell and Sons, Eynsford, showed a capital collection of Zonal Pelargoniums, some two or three dozen varieties being staged.

Mr. G. Reuthe, Keston, had, as usual, a remarkably interesting lot of alpine. Choice Saxifrages were in charming variety, while *Primulas*, *Anemones*, the dwarfest *Narcissi*, *Hepaticas* and *Rhododendrons* were all well shown.

Messrs. G. and A. Clark, Dover, had *Anemones*, Daffodils, *Trollius* and other flowers.

Mrs. Lloyd Edwards, Bryn Orog, showed a collection of Mossy Saxifrages, with *Primulas*, *Aubrietias* and other early flowers.

Messrs. Carter Page and Co., London Wall, displayed a collection of Tufted Pansies, with Dahlias, *Nemophila* and Marigolds.

Messrs. Sutton and Sons, Reading, filled a table with their choicest strains of *Cinerarias*, chiefly in pink and blue shades, with many gradations of both. Sky Blue is a very striking shade, and some of the deep pink shades were very remarkable. Some eighteen shades of these useful greenhouse flowers were staged in groups, the plants not more than 9 inches high.

Messrs. H. B. May and Sons, Edmonton, had a floor group, in which Callas, *Genistas*, Palms, Ferns, Hydrangeas, Clematises and *Astilbes* took part in a goodly show. *Boronia megastigma* was very beautiful and full of fragrance.

#### ORCHID COMMITTEE.

Present: J. G. Fowler, Esq. (chairman), Sir Jeremiah Colman, Sir Harry J. Veitch, and Messrs. J. O'Brien, W. Bolton, C. J. Lucas, R. B. White, Gurney Wilson, S. W. Flory, W. H. White, G. Hunter, Arthur Dye, W. P. Bound, H. G. Alexander, J. E. Shill, W. H. Hatcher, J. Cypher, J. Charlesworth, W. Cobb, T. Armstrong, F. M. Ogilvie, Pantia Ralli, F. J. Hanbury, R. Thwaites, J. W. Potter, Stuart H. Low and R. A. Rolfe.

Messrs. J. Cypher and Sons, Cheltenham, had some well-flowered examples of the white, yellow-crested *Dendrobium jamecianum*, *D. wardianum*, *Cymbidium gottianum* and *Trichopilia Hennisii*, the last a pure white flower with yellow shading. *Dendrobium Thwaitesii* Veitch's Variety was also well shown.

Mr. R. G. Thwaites, Streatham Hill, had a variety of *Odontoglossums*, *Odontiodas* and *Laelio-Cattleyas*.

Messrs. Stuart Low and Co., Enfield, had the lovely yellow-flowered *Dendrobium suavisimum*, *D. densiflorum*, *Arphyllum giganteum* (with rosy spikes of flowers), together with *Odontiodas*, *Odontoglossums* and *Miltonias*.

Messrs. Hassall, Southgate, had a nice lot of *Trichopilia backhausiana*, some dozen examples being superbly flowered. *Laelio-Cattleya* G. S. Ball (of rich orange tone) was also very beautiful.

Messrs. J. and A. McBean, Cooksbridge, showed some lovely *Miltonias*, *Odontiodas* and *Cattleyas* in variety.

Messrs. Charlesworth and Co. had *Dendrobium infundibulum*, *Odontoglossum polyanthum*, *Odontiodas* and *Miltonias*. *Odontoglossum illustrissimum* was very fine.

Mr. Harry Dixon, Wandsworth Common, showed very finely *Miltonias*, *Cattleyas* and *Odontoglossums*. Some good *Odontiodas* were staged.

#### FRUIT AND VEGETABLE COMMITTEE.

Present: C. G. A. Nix, Esq. (chairman), and Messrs. J. Cheal, Edwin Beckett, F. Perkins, E. A. Bunyard, J. Udale, W. H. Divers, H. H. Williams, A. W. Metcalfe and A. R. Allan.

Messrs. Dobbie and Co., Edinburgh, showed in baskets an admirable collection of Potatoes, some twenty varieties in all. Burnhouse Beauty, The Provost, Prolific, The Chapman, Midlothian Early, King Edward, The Scot and Great Scot were among those shown. All were in excellent condition.

\* \* The report of the Auricula Show and the Rev. J. Jacob's notes on Daffodils shown on this occasion will appear in our next issue.

To Benefit Disabled Soldiers and Sailors.—Splendid work is being done by the Lord Roberts

Memorial Fund on behalf of our disabled soldiers and sailors, and the latest innovation to interest the public in this most important and urgent cause is the issue of a series of artistic portrait stamps of celebrities and notabilities of the war. These portrait souvenirs are executed in miniature style, and are printed artistically in colours. There are to be 144 different stamps in the series—arranged in sheets of twelve, gummed and perforated, each stamp costing only a penny. The second sheet, which has just been published includes, among others, Queen Mary, King Peter of Serbia, the Grand Duke Nicholas, the late Lord Roberts, Lord Fisher, Commander Holbrook (of Dardanelles fame), General Pau, the Sultan of Egypt, Sir Partab Singh and M. Delcassé. Orders for the first two sheets of twelve at 1s. each (postage rd.) should be sent at once to the Hon. Secretary, the Lord Roberts Memorial Fund, 122, Brompton Road, London, S.W., or to the publishers for the fund, Messrs. Fawcett and Co., 125, Strand, London, W.C.

#### GARDENING APPOINTMENT.

MR. ERNEST BECKETT, for the past two years head-gardener at Buckland, Bwlch, S.O., Breconshire, and previously for five years foreman in the gardens at Aldenham House, Elstree, Hertfordshire, has been appointed head-gardener to the Right Hon. Lord Barrymore, Fota Island, Queenstown, County Cork, Ireland.

#### PUBLICATIONS RECEIVED.

"Notes from the Botanical School of Trinity College, Dublin," Vol. II.  
 "Report of the Corporation of the City of Glasgow Parks Department," by James Whitton, V.M.H., Superintendent of Parks and Curator of Botanic Gardens, City Chambers, 249, George Street, Glasgow.  
 "Horticultural Club Report and List of Members."  
 "War-time Gardening: How to Grow Your Own Food," by Walter Brett. Published at *The Smallholder* Offices, 16 and 18, Henrietta Street, Covent Garden, London W.C.; price 6d. net.  
 "The Families of British Flowering Plants," by W. B. Grove. Published by Longmans, Green and Co., 39, Paternoster Row, London, E.C.; price 1s. net.  
 "Bulletin 160, Agricultural Experiment Station of the Rhode Island State College, Kingston, R.I., U.S.A."  
 "The Dahlia Year Book." Published by the National Dahlia Society. Edited by C. H. Curtis and H. J. Wright.  
 "The British Fern Gazette." Edited by C. T. Drury, V.M.H., F.L.S., 11, Shaa Road, Acton, London, W.

#### SCHEDULES RECEIVED.

Seven Kings and Goodmayes Horticultural Society. Secretary, Mr. H. A. Beecroft, 146, Lansdowne Road, Seven Kings.  
 The Perpetual-flowering Carnation Society. Secretary, Mr. T. A. Weston, Floradale, Orpington.  
 National Dahlia Society. Secretary, Mr. J. B. Riding, Forest Side, Chingford, N.E.  
 Walsall Floral and Horticultural Society. Secretary, Mr. A. Ashwell, 349, Bloxwich Road, Walsall.  
 Brighton, Hove and Sussex Horticultural Society. Secretary, Mr. A. J. Gaston, 170, Springfield Road, Brighton.  
 Steeton and District Rose and Sweet Pea Society. Secretary, Mr. J. S. Barker, 50, Queen Street, Steeton, Keighley.  
 Brockley Amateur Gardeners' Association. Secretary, Mr. A. Fuller, Bromleigh, Chudleigh Road, Crofton Park.

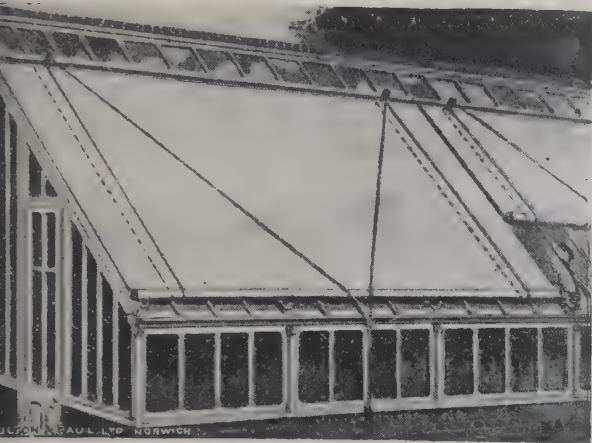
#### CATALOGUES RECEIVED.

Mr. James Douglas, Edenside, Great Bookham, Surrey: Carnations, Pinks and Auriculas.  
 Messrs. Thompson and Morgan, Haslemere Nurseries, Ipswich: Seeds.  
 Messrs. T. S. Ware, Limited, Feltham, Middlesex: Hardy Plants.  
 Messrs. Fidler and Sons, Royal Berkshire Seed Stores, Reading: Seeds.  
 Messrs. R. H. Bath, Limited, The Floral Farms, Wisbech: Carnations, Begonias, Dahlias, Pansies, Violas, &c.  
 Messrs. E. P. Dixon and Son, Limited, Hull: Farm Seeds.  
 Messrs. G. Gibson and Co., The Nurseries, Leeming Bar, Bedale, Yorks: Roses, Fruit Trees, &c.  
 Messrs. Allwood Brothers, Wivelsfield Nurseries, Hayward's Heath, Sussex: Carnations.  
 Mr. G. Reuthe, Fox Hill Hardy Plant Nursery, Keston, Kent: New and Rare Hardy Plants, &c.

\* \* The Yearly Subscription to THE GARDEN is: Inland 6s. 6d.; Foreign, 8s. 9d.



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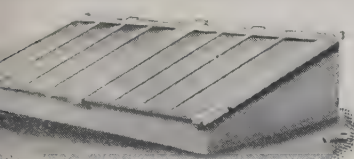
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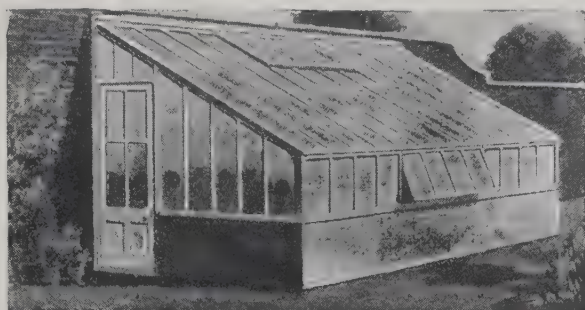


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At any time you are wise to grow Vegetables this year particularly wise, and you are wiser still who employ means to ensure maximum yields from every plant and every square yard of soil. To grow Vegetables and feed them during growth is to practice one of the wisest economies.

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of renovating Lawns is so effective. The weeds die in a week or two, and when the rich, plant food contents of Velvas has been absorbed by the soil and assimilated by the roots—the Grass springs up—vitality renewed and colour enriched. Such a transformation all in a week or two.

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Our charge for advertisements under the above heading is 9d. per line, consisting of eight words to the line. Press day Friday.

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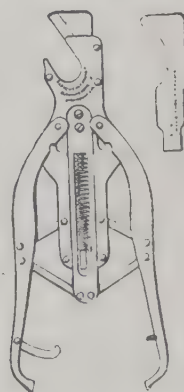
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(PATENTED)  
**THE ONLY RELIABLE AND  
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in the form of a leaf-mould, ready for use at any time, in the same way, and for all purposes that stable manure is put. Goes further (1 cwt. equaling 15 cwts.), gives better results, is clean to handle, sweet smelling, and free from weeds, worms, etc.

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Sold in Bags, 28 lbs., 2/3; 56 lbs., 3/6; 1 cwt., 6/-; 5 cwts., 28/9; 10 cwts., 55/-; we paying carriage to any station in England and Wales, including Isle of Wight, or by carrier in London district (also, in not less than 1 cwt. lots, by London Boat to Scotland and Ireland). Through Nurserymen, Seedsmen and Stores, or direct from the Manufacturers and Patentees,

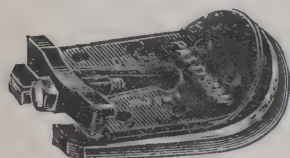
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Used in the ROYAL (and in thousands of the PRINCIPAL) GARDENS.

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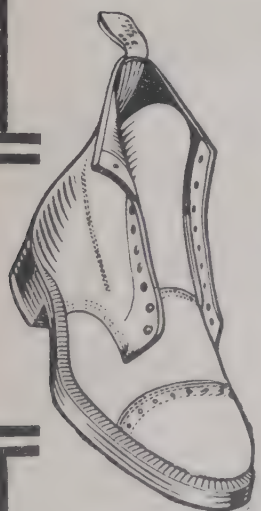
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Mr. TROUP (Head Gardener to H.M. THE KING, Balmoral Castle) writes: "The boots supplied 2 years ago are as good as ever."**GOLF COURSE REQUISITES** as used by the Principal Clubs.

FIG. 2.

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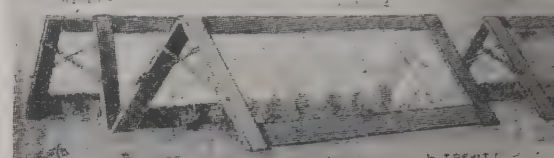
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PLANT SPRAY  
WORM POWDER**

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This light has a great many advantages over others, is placed in almost any position, and can be ventilated as any number of lights can be placed end to end, can be quite flat for packing away when not in use. Acknowledged to be the most simple, **USEFUL, BEST and CHEAPEST FOLDING LIGHTS** yet invented for French and Open Gardens. Useful for the Amateur as the Professional.Be sure and send at once for full particulars and List of Greenhouses, Garden Frames, etc.  
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FRUITS AND  
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**FLOWERS.—VIOLAS. VIOLAS. VIOLAS.**

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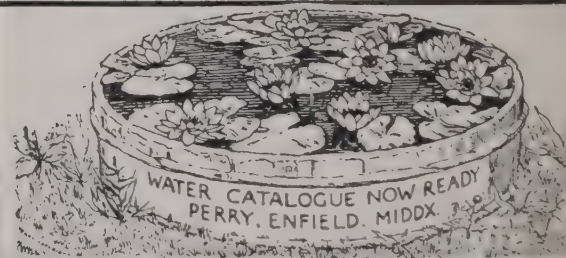
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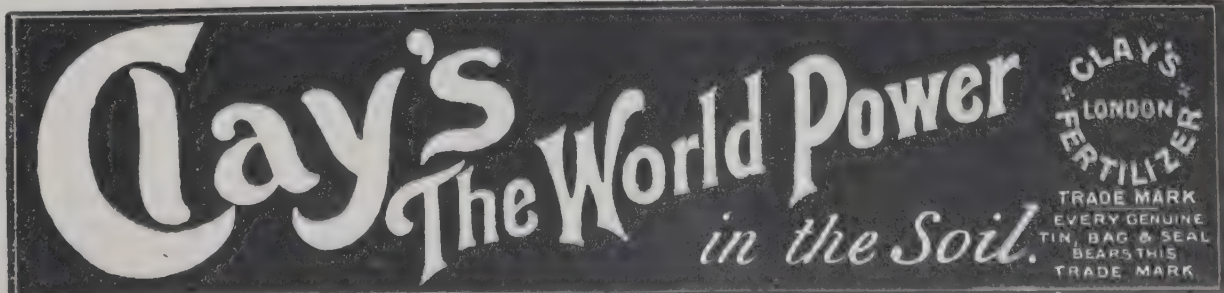
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Harry Kirk, T., sulphur yellow  
Hugh Dickson, H.P., rich crimson  
Lady Ashtown, H.T., Rose du Barri  
La Tosca, H.T., silvery pink  
Liberty, H.T., brilliant velvety crimson  
Lyon, H.T., shrimp pink, shaded chrome  
Mme. A. Chateau, H.T., salmon pink  
Mme. Ravary, H.T., orange yellow  
Prince C. de Rohan, H.T., darkest crim.  
Rayon d'Or, H.B., sunflower gold  
Richmond, H.T., bright scarlet

### Established Roses in Pots

These Roses are pot grown and carry strong well ripened growths. They are admirable for planting in green house or filling gaps on pillars or pergola. The climbers are in 6 to 7 inch pots, Dwarfs in 4 in. pots.

### Climbing Tea and H.T. Roses.

Cl. Paul Lede, apricot - 2/-  
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Cl. Mrs. W. J. Grant, pink - 1/-, 2/3  
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Cl. Niphetos, white - 1/-, 3/-  
Marchal Niel, lemon - 1/-, 3/-  
Wm. A. Richardson, orange - 1/-, 3/-

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Coronation Rambler, red - 1/-, 3/-  
Dorothy Perkins, pink - 1/-, 3/-  
Excelsa, scarlet - 1/-, 3/-  
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Shower of Gold, golden-yellow 1/6, 2/6

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Mrs. F. W. Vanderbilt, cop.-yellow - 1/6  
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Willowmere, peach pink - 2/-  
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C. Easlea, saff. yellow - 2/6  
Lady M. Ward, deep orange - 2/6

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### Wall Shrubs and Climbers.

Collection No. 26. 4/9 Carriage Paid  
6 Strong Trees,

Grown in pots for present planting

Sail Rose Box.—Flat sail-like branches clothed with vermilion berries and emerald green foliage, strikingly handsome. 6d., larger 9d.

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## NATIONAL AURICULA AND PRIMULA SOCIETY (SOUTHERN SECTION).

THE thirty-ninth annual exhibition was held in the Royal Horticultural Hall, Westminster, on April 27 in conjunction with the fortnightly meeting of the Royal Horticultural Society. Ranking high from the quality standpoint and finish of the plants shown, the exhibition as a whole was smaller than is usually seen, fewer competitors entering the various classes. The majority of the Auriculas staged in the "show" classes were of a high order of merit, and in this respect left little to be desired. The Polyanthus and Primula section generally we have seen more strongly contested and with better material.

The premier class, for twelve Auriculas, dissimilar, was won by Mr. J. Douglas, Edenside, Great Bookham, who easily obtained first place, having a superb set throughout. Some of his best were Eucharis (grey-edged variety), which was also selected as the premier; Celestial, Fingo (maroon self with white centre), and the indispensable Harrison Weir, which is a sort of top-sawyer among the reds. The set was practically faultless, and in Mr. Douglas' best style. Second, Mr. J. L. Gibson, Belmont, Surrey, who showed such excellent sorts as Heather Bell, Acme, Conservative (all of the white-edged class) and Mikado, among others.

For six Auriculas, dissimilar, Mr. J. Douglas was again in the leading place, showing the lovely Harrison Weir (crimson self), Eucharis (grey edge), Prince Charming and Favourite in excellent form; second, Mr. A. S. Hampton, Reading, whose Richard Headly (grey edge), Mikado (fine dark-coloured self), Miss Barnett (claret-coloured self of fine proportions) and Heather Bell (white edge) were very fine examples; third, Mr. R. Staward, Panshanger.

For four Auriculas, dissimilar, Mr. J. C. Allgrove, Middle Green, Langley, was in the place of honour, having Wild Swan (fine white edge), Mikado, Snowdon's Knight and Emerald, all in superbly grown specimens; second, Mr. H. W. Mason, Banstead, Surrey, whose set comprised Abbé Liszt (green edge), Harrison Weir (crimson self), Prince Charming (green edge) and Olympus (a very decided grey-edged variety).

For two Auriculas, dissimilar, the last-named exhibitor took first prize, showing Conservative and Colonel Champneys, white and green edged varieties respectively, in very good style.

In the single specimen classes, four in number, Mr. J. Douglas, Great Bookham, Surrey, demonstrated both skill and prowess by sweeping the board, taking first and second prizes in each class. His varieties were William Smith and Shirley Hibberd (green edge), Marmion (grey edge), Acme (white edge) and W. B. Cranfield (dark maroon); and Pilot (deep purple, white eye) in the self class.

For four show Auriculas, dissimilar (amateurs), Miss Lowisky, Tittenhurst, Sunninghill, was first, having Mary, Acme, George Lightbody and Mikado in well-grown specimens.

For four show Auriculas, for amateurs not employing a regular gardener, Mr. A. S. Hampton, Reading, was first, his set being Amy Robsart, Vanity, Rachel and Mrs. Henwood.

For twenty-four alpine Auriculas two exhibitors staged collections, Mr. J. Douglas, Great Bookham, being awarded first for an admirable lot of plants. Prince of Tyre, Claude Halcro, Mrs. Douglas, Phyllis Douglas, King George and Admirer were among his best examples. Second, Messrs. Phillips and Taylor, Bracknell, who showed, among others, fine specimens of Her Grace, Myrtle, Beatrice and Argus.

For twelve alpine Auriculas, dissimilar, Mr. James Douglas was first, his splendid dozen including Muriel, Admirer, Argus, Phyllis Douglas (one of the most handsome of white-centred alpine sorts), St. Vincent and Picotee; second, Messrs. Phillips and Taylor, Bracknell, who, in addition to some good unnamed seedlings, showed Meteor, Myrtle, Beatrice and Antonis.

For six alpine Auriculas, Mr. R. Staward, Panshanger, Herts, was first with Golden Dustman, Mildred Jay, Mrs. J. Douglas and Commander; second, J. T. Bennett-Poë, Esq., 29, Ashley Place, S.W., who staged excellent examples of Argus, Dean Hole, Rosy Morn, Golden Crown and J. F. Kew.

Four alpine Auriculas: First, Mr. H. W. Mason, Banstead, Surrey, with Golden Dustman, Roxborough, Claude Halcro and Admirer—a very nice set; second, Mr. J. C. Allgrove, Langley, who had Claude Halcro, Blue Bell, Mrs. Danks and Edith Winn.

For a single specimen alpine Auricula with golden centre, Mr. J. Douglas, Great Bookham, took first and second prizes with Glow and Golden Dustman respectively.

For a single specimen with white or cream centre, Mr. J. L. Gibson was first with Dent Blanche; second, Mr. J. Douglas, with Mrs. J. Douglas.

For six alpine Auriculas (open to those who have never won a first prize), Miss Lowisky, Tittenhurst, Sunninghill, was first, having, among others, nice plants of Claude Halcro, Phyllis Douglas and Firefly.

Six alpine Auriculas (amateurs only): First, Mr. J. L. Gibson, Belmont, Surrey, Claude Halcro, Muriel, Argus and J. T. Bennett-Poë being his best.

Twelve fancy Auriculas: First, Mr. J. Douglas, who showed Canary Bird, Spectre, Vera, Lady Veitch, White Czar and Eldorado; second, Mr. J. L. Gibson, who had Goldfinch, Yosemite, Borlas and others.

Six Primulas, not fewer than three distinct species or well-marked varieties: First, Mr. J. C. Allgrove, Middle Green, Langley, who had Unique, Forrestii, Veitchii and pulverulenta Mrs. R. V. Berkeley; second, Mr. R. Staward.

For a group of Primulas or Auriculas, Mr. G. W. Miller, Clarkson Nurseries, Wisbech, was first, Mr. R. Staward, Panshanger, occupying a similar position for twelve Polyanthus, fancy varieties. In this class Mr. Miller was placed second, while securing the first prize in the single specimen class with a fine white-flowered variety. Mr. Miller was again first for a single specimen Primrose, and for six double Primroses.

A group of Polyanthus or Primroses in a space 6 feet by 3 feet brought three competitors, Mr. S. Mortimer, Farnham, being placed first with a fine assortment of well-developed plants; second, Mr. R. Staward, Panshanger.

First-class Certificate.—Alpine Auricula Kaffir, a crimson variety with gold centre. Shown by Mr. J. Douglas. This variety was also selected as the premier Auricula in the whole exhibition.

## PERPETUAL-FLOWERING CARNATION SOCIETY. SPRING SHOW.

EXCEPTING from a financial point of view, this exhibition, held at Leeds on the 29th and 30th ult., was a great success. Glorious weather favoured the show during the whole period, and it is somewhat surprising that the gate takings were under £20. However, even this amount was greater than has been derived at any ordinary North of England Horticultural Society's exhibition, which sufficiently indicates that Carnations are an effective draw. Music and singing were provided during each afternoon by Belgian refugees, under the organisation of Mr. J. C. Jackson, hon. secretary of the North of England Horticultural Society. A flower stall succeeded in making close upon £10 on behalf of the National and Belgian funds. Another attraction on the first day was the lantern lecture given by Mr. M. C. Allwood. The show was opened by the Lord Mayor of Leeds, Mr. J. E. Bedford, supported by the Lady Mayoress and various other influential gentlemen. A luncheon, held at the Hotel Metropole prior to the opening, was presided over by Major Dent, chairman of the North of England Horticultural Society, supported by the Lord Mayor and others. Over fifty were present. On the morning of the second day some forty or more members of the Perpetual-flowering Carnation Society and their friends, including several Belgians, were conducted by Mr. A. J. Allsop, Superintendent of the Leeds Parks, to the famous Roundhay Park on a special car kindly provided by the Leeds Corporation. The trip was greatly enjoyed, and to the Southern visitors the beauty and huge extent of the park were a revelation. The show itself was extremely good; indeed, never before has the Corn Exchange—a highly suitable building—been such a galaxy of beauty. Carnations filled the greater part of the hall, and the quality of the blooms was wonderfully good all through. The competitions were very well contested, especially the gardeners' classes, the Northern members coming out wonderfully well. The amateur exhibitors, however, were few.

### SECTION A.—OPEN.

Traders alone contested these classes, and Mr. A. F. Dutton, Iver, secured the great George Monro, jun., Cup, offered for twelve varieties, twenty-five blooms of each. The varieties shown were Champion, Enchantress Supreme, Mrs. C. F. Raphael, Benora, Gorgeous, Lady Northcliffe, Louvain, Mrs. C. W. Ward, Mikado, Baroness de Brien, White Enchantress and Lady Meyer. Mr. J. C. Jenner, Rayleigh, Essex, the only other competitor, was placed second.

Mr. C. Engelmann, Saffron Walden, won the J. S. Brunton Cup with three British novelties introduced since January, 1912; but Messrs. W. Wells and Co., Merstham, wrested from him the American Cup with three American novelties. The British varieties staged were Scarlet Carola, Colleen and Circe; and the American varieties, Champion, Philadelphia and Enchantress Supreme.

Mr. Engelmann was an easy first with seven varieties, twenty-five blooms of each. Circe, Scarlet Carola, Benora, Lady Meyer, Snowstorm, Baroness de Brien and Carola were the varieties shown. Mr. Jenner was the only other competitor.

Mr. Jenner defeated Mr. H. J. Dudley, Erith, with five vases, twenty-five blooms in each, and also with three varieties. No others contested these classes, and the quality of the blooms was not so fine as in the preceding classes.

Messrs. Allwood Brothers, Hayward's Heath, scored with one vase, very easily beating Mr. Dudley's vase of Mikado with Mary Allwood.

### SECTION B.—GARDENERS AND AMATEURS.

No group of plants was staged, therefore the Lord Howard de Walden Challenge Cup was not awarded.

Mr. A. E. Usher, gardener to Sir Randolph Baker, Bart., Blandford, defeated Mr. J. Shaw, gardener to O. W. E. Hedley, Esq., Dilton Hall, Corbridge-on-Tyne, with a decorated vase, third place being secured by Mr. J. Stansfield, Taller Lane, Bradford.

Mr. Shaw scored over Mr. Usher with a decorated basket.

With five varieties, seven blooms of each, Mr. R. Barnett, Grantley Hall Gardens, Ripon, beat Mr. Usher after a good fight, and by so doing secured the Penrose Green Cup, offered by the North of England Horticultural Society for the best exhibit in this section. The winning varieties were Beacon, Carola, Lady Alington, Mrs. C. F. Raphael and Baroness de Brien. Third place was secured by Mr. J. E. Hathaway, Baldersly Park Gardens, Thirsk.

Mr. Usher scored with three vases, seven blooms in each. His varieties were White Wonder, Baroness de Brien and Carola. Mr. Barnett gained second place, and Mr. Hathaway third.

Mr. Usher also scored with twelve blooms, various, Mr. W. Reed, gardener to the Countess of Derby, Coworth Park, Sunningdale, coming in second, and Mr. E. Burbidge, gardener to Mrs. G. A. Fenwick, The Croft, Hillmorton, Rugby, third.

Mr. A. E. Usher captured the Engelmann Cup with twelve blooms of Carola, Mr. Burbidge and Mr. Barnett following.

The W. Wells and Co. Cup was also secured by Mr. Usher with twelve blooms of Champion, Mr. Shaw coming in second.

The Bush Hill Park Cup was secured by Mr. Usher with twelve blooms of Stuart Low and Co.'s varieties. Mr. Burbidge was placed second.

Mr. Usher likewise captured the Mrs. F. Norman Cup with a vase of British-raised seedlings.

### SECTION C.—OPEN TO AMATEURS ONLY.

These classes were contested by Mr. J. W. Drake, Bell-Street, Shaftesbury, and Mr. K. M. Ostler, Roundhay, and with twelve blooms, various, six blooms and three blooms, one variety, Mr. Drake scored. He was disqualified for showing an unregistered variety in his vase of six blooms, various.

Mr. Drake was awarded the Lady Pilkington Cup offered by the North of England Horticultural Society for the best exhibit in Section C.

### SECTION D.—OPEN TO GARDENERS AND AMATEURS NORTH OF THE TRENT.

Mr. Shaw scored with twelve blooms, various, beating Mr. Hathaway and Lady Seeley, Wingerworth Hall, Chesterfield, in that order.

Mr. Shaw again scored with nine blooms, various, Mr. Hathaway following.

Lady Seeley gained first prize with six blooms, one variety, Mr. Hathaway and Mr. Shaw following in that order.

Mr. Shaw led with three blooms, followed by Mr. Hathaway and Mr. Stansfield.

Mr. Shaw also gained first prize in the special Engelmann class with six blooms. Mr. Hathaway and Mr. Barnett followed.

By gaining the highest number of points in this section Mr. Shaw secured the Hayward Mathias Challenge Bowl.

### SECTION E.—OPEN TO NORTHERN AMATEURS.

Mr. Stansfield alone entered, and scored first in each class, thereby securing the Abol Syringe special prize.

### NON-COMPETITIVE EXHIBITS.

Mr. C. Engelmann, Saffron Walden, exhibited a very large collection, embracing Gorgeous, Mrs. C. F. Raphael, Bella, Queen Alexandra, Benora, Scarlet Carola, Carola, Enchantress Supreme, Circe and many other varieties. This group was awarded the Lord Faber Cup, offered by the North of England Horticultural Society for the finest exhibit in the show, and also the North of England Horticultural Society's and Perpetual-flowering Carnation Society's large gold medals.

Messrs. Allwood Brothers, Hayward's Heath, made a superb display. Mary Allwood, Mrs. B. Cheney, Bishton Wonder, Champion, Princess Dagmar, Wivelsfield White and Terrific were a few of the varieties staged. The joint societies' gold medals were awarded.

Messrs. Stuart Low and Co., Bush Hill Park, received a similar award. Their group was artistically set up, and a few notable varieties were Mephisto, Gorgeous, Salmon King, Baroness de Brien, Philadelphia, Geoffrey Henslow and Snowstorm.

Joint gold medals were also awarded Messrs. W. Wells and Co., Merstham, for a splendid stand of Pink Sensation, Mary Allwood, Red Benora, Enchantress Supreme, &c. Antirrhinum Nelrose was also superbly shown.

Both societies awarded gold medals to Mr. A. F. Dutton, Iver, for his beautiful display. All the blooms were set up in artistic baskets, and a very large number of varieties were so staged. A really charming display.

Mr. T. Blackburn, Huddersfield, made an excellent display with Snowstorm, Baroness de Brien, Lady Northcliffe, Empire Day and other popular varieties. Joint silver-gilt medals were awarded.

Messrs. C. H. Tandein and Co., Willaston, Chester, made a first-rate display. This was the first exhibit this new firm had staged. Everyone knows Mr. Tandein, and it is obvious that he does not mean to remain in the background now that he is in business on his own account. Numerous well-known varieties were staged, together with a splendid collection of Daffodils. Joint silver-gilt medals.

Messrs. Young and Co., Cheltenham, made a pleasing display against a white trellis background. A large number of varieties were shown. Joint silver medals.

Alpine plants in variety were well shown by Mr. Alva J. Hall, Harrogate; Mr. T. H. Gaunt, Farsley; and Messrs. G. Gibson and Co., Bedale.

Mr. G. W. Miller, Wisbech, showed Daisies and other hardy border and bulbous flowers.

Mr. D. Aked, Ilkley, made a nice display with Auriculas in variety.

Messrs. Mansell and Hatcher, Rawdon, showed an excellent collection of Orchids.

Messrs. Barr and Sons, London, and Mr. J. Mallender, Bawtry, made great displays with Narcissi in variety.

The North of England Horticultural Society awarded medals to the above exhibitors as follows: Messrs. Barr and Sons, small gold medal; Mr. J. Mallender, silver-gilt medal; Mr. D. Aked, silver-gilt medal; Mr. G. W. Miller, silver-gilt medal; Messrs. G. Gibson and Co., silver medal; Mr. T. H. Gaunt, silver medal; Messrs. Mansell and Hatcher, silver medal; and Mr. Alva J. Hall, large bronze medal.

### NORTH OF ENGLAND HORTICULTURAL SOCIETY'S AWARDS.

Anemone Mallenderi, a hybrid of A. Pulsatilla × A. montana rubra. Flowers very rich purple and much resembling A. Pulsatilla, but of much finer colour than any form we have seen. Exhibited by Mr. J. Mallender. First-class certificate.

Antirrhinum Nelrose, exhibited by Messrs. W. Wells and Co. First-class certificate.

Narcissus Poeticus Cudmon, a superb variety of great substance. First-class certificate.

Narcissus Red Beacon, a fiery cupped Barri with a creamy perianth; very beautiful. First-class certificate. Both the above were exhibited by Messrs. Barr and Sons.

Narcissus Rev. Goltwaltz, a superb golden yellow trumpet variety. First-class certificate.

Narcissus Robinson, a soft yellow trumpet variety of medium size. Second-class certificate. Both the above were shown by Mr. J. Mallender.

Only one award of merit was given by the Perpetual-flowering Carnation Society, and this to Carnation Pink Sensation. Shown by Messrs. W. Wells and Co.

\* \* The Yearly Subscription to THE GARDEN is: Inland, 6s. 6d.; Foreign, 8s. 9d.



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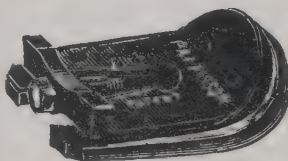


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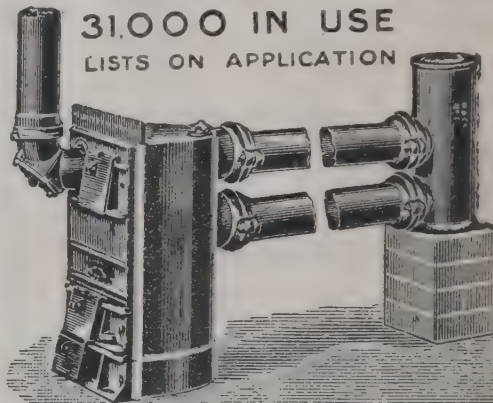
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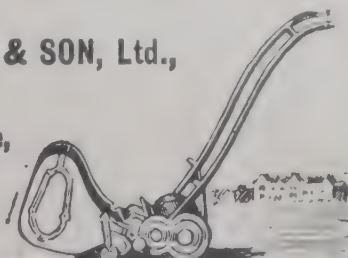
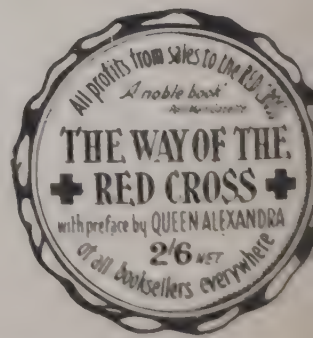
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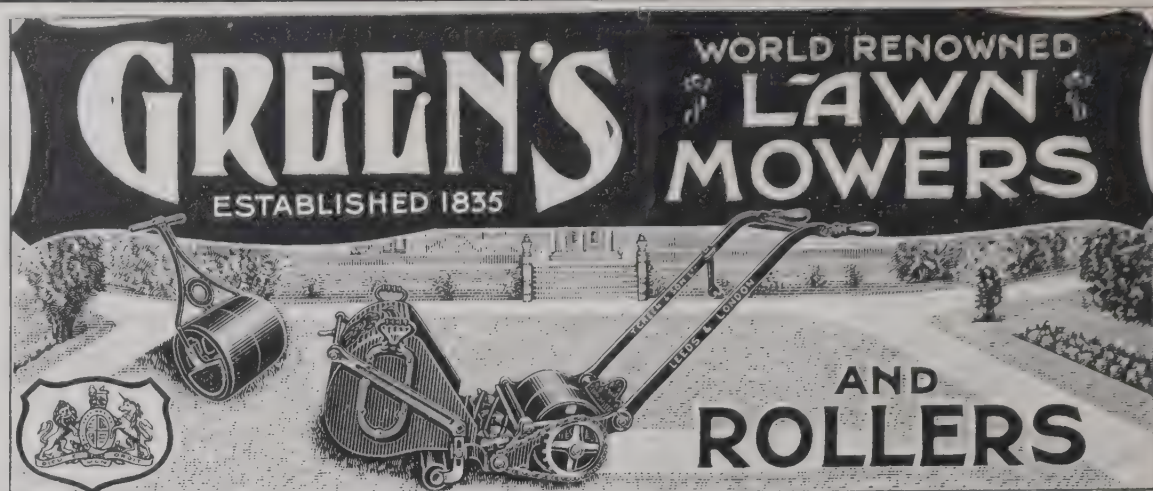
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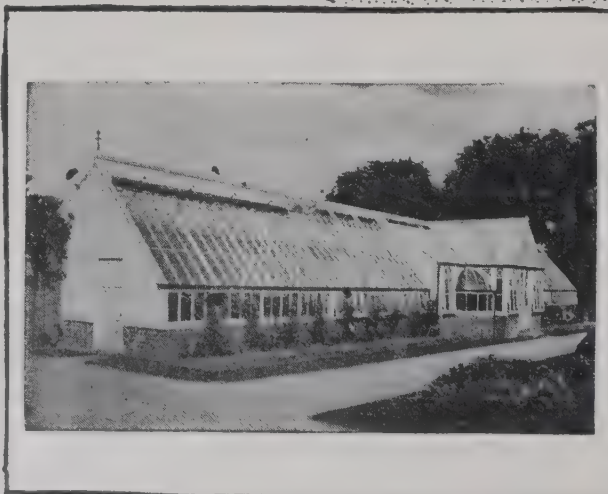
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OBITUARY.

E. T. COOK.

It is with deep regret that we have to record the death of Mr. E. T. Cook, who was for nearly twelve years Editor of THE GARDEN. The news reached us, just as this issue was going to press, through Mr. Leonard Sutton, who received a cable from Mr. Baines of Montreal stating that Mr. Cook had died of apoplexy. The deceased was well known in horticultural circles in this country, his charming manner and genial personality putting him on good terms with all whom he came in contact. His journalistic work in connection with horticulture was a very extensive one. Formerly an old student at the Royal Horticultural Society's gardens at Chiswick, he left there to take up an appointment on the *Gardeners' Magazine* under the late Shirley Hibberd. On leaving that journal he assisted Mr. William Robinson on *Gardening Illustrated*, and subsequently became co-editor with Miss Skyll of THE GARDEN. After a few years Miss Skyll retired and Mr. Cook became sole editor. During his editorship of THE GARDEN his literary efforts were of an extensive character, and many gardening books bear his name as editor or author. On leaving this journal, about four years ago, he proceeded to Canada, where he took up landscape gardening on a fairly extensive scale. Roses were his favourite flowers, and he was for some years a vice-president of the National Rose Society. Once settled in Canada, he took a prominent part in forming a Rose society in Toronto and became its first president. He was for some years hon. secretary of the Horticultural Club in this country, and also a member of the floral committee of the Royal Horticultural Society. His age would be approximately fifty years. Horticulture in general, not only in this country but also in Canada, loses an ardent supporter in the death, and so comparatively early an age, of our lamented friend. To his mother, brother and sister we tender our deepest sympathy in their sad and sudden loss.

SOCIETIES.

ROYAL HORTICULTURAL SOCIETY.

The fortnightly meeting held on May 11 was characterised by a considerable display and fulness, for which the Tulips, Hardy shrubs and spring-flowering alpine plants were chiefly responsible. In each of these departments there was much to admire. Fruit and vegetable exhibits were conspicuous by their absence, and Orchids we never remember to have been more sparsely shown.

FLORAL COMMITTEE.

Present: H. B. May, Esq. (chairman), the Rev. F. Page-Berts, and Messrs. F. W. Harvey, W. J. Bean, G. Ruthe, G. Harrow, J. W. Moorman, J. F. McLeod, Hudson, C. R. Fielder, W. H. Page, T. Stevenson, C. Reginald Neville, C. Dixon, H. J. Jones, C. E. La, W. Cuthbertson, C. E. Pearson, W. P. Thomson, H. Jenkins, G. Paul, W. J. Barr and R. C. Notcutt. Without doubt the finest floral exhibit of the meeting was the magnificent display of Sweet Peas staged by Messrs. Dobbie and Co. of Edinburgh. Not merely fine in itself, seeing that both for quality and quantity it would have ranked high at any season, it was doubly so before the middle of May was reached as demonstrating the utilitarian side of the Sweet Pea in conjunction with intelligent cultivation. Comprising nearly four dozen varieties of flowers, the exhibit was undoubtedly the finest thing in its way that has yet been seen at so early a date, and, judged by the excellence of the flowers, will take the beating. While it is no part of our purpose to give a catalogue of the varieties shown, we cannot refrain from mentioning a few of the more imposing and distinct. These we single out: Duchess of Portland (palest pink), Dobbie's Thomas Stevenson (orange), Blue Picotee, Princess Mary (a study in pale purple and mauve), King of the Valley, Lavender George Herbert, Dobbie's Cream (very useful and distinct), Alfred Watkins (palest mauve), Dobbie's Orange (the most brilliant thing in the collection). Mr. Charles Turner, Slough, had an exhibit of cut flowers and flowering trees, chiefly of *Pyrus* and *Cerasus*. The former, *Pyrus Malus Sargentii* (white), *P. M. J. deckeri* (rosy pink), *P. M. Montreal Beauty* (pink) and the ever-welcome *P. M. floribunda* were the most showy. Examples were also shown of the red and

yellow fruiting varieties of the Siberian Crab, both of which are white-flowered.

Messrs. Barr and Sons, Covent Garden, W.C., had a nice assortment of alpine plants in boxes, the chief of which were *Gentiana acaulis*, *G. verna* (both very charmingly shown), *Ranunculus amplexicaulis*, *Ranunculus pyrenaica*, *Androsace Chumbyi* and *A. sarmentosa* (both in excellent flower). Groups of *Isis pumila* and *Trillium grandiflorum* were both well shown.

Messrs. Stuart Low and Co., Enfield, had an interesting exhibit of hard-wooded plants, in which the *Acacias* made a large, imposing central feature. *Metrosideros floribunda* was very brilliant, while *Eriostemon*s and *Erica willmoreana* materially assisted in the display. Carnations were also shown by this firm. Princess Dagmar (crimson), Geoffrey Henslow, Marmion and Unique (a yellow fancy sort) were among the best.

Mr. H. Burnett, Guernsey, again made an admirable display of Carnations, showing these popular and attractive flowers in imposing vases and stands. Some of the more conspicuous on this occasion included the scarlet and white Marmion (which was particularly good), Elegance (a novelty in white and pink and a further sport from White Enchantress), Carola (the finest crimson), Mrs. Clode (the most fragrant of all), Mary Allwood, R. F. Felton, Sunstar, Mandarin and Washington (cerise, one of the best of the newer sorts). Lady Ingestre and Gorgeous were also very fine.

Messrs. H. B. May and Sons, Edmonton, had a full table length of greenhouse flowers, Palms and Ferns. Among the former we noted a number of *Hydrangeas*, and in addition to the pink and blue variations of *H. Hortensia*, the white-flowered *Mme. Moulière* was par-



THE LATE MR. E. T. COOK.

ticularly well shown. A pretty pink-flowered variety was named Attraction. It is smaller than *Hortensia* and more compact. *Verbenas* Miss Willmott, Princess of Wales (royal purple colour) and Queen of the Whites were admirably shown. *Calceolarias*, *Gardenias* and white Pet Roses were excellent as pot plants.

Messrs. Allwood Brothers had a capital show of Carnations, Fairmount (heliotrope), Mary Allwood, Marmion, Mr. C. F. Raphael, Princess Dagmar (crimson) and Bishton Wonder (a heliotrope or deep lilac colour) being among the best. A central group of Perpetual Malmans comprised Terrific (pink), Lady Miller and others.

Messrs. R. Tucker and Sons, Oxford, had a delightful group of alpine plants arranged in rock bank fashion. Some of the more beautiful things were *Campanula Stevenii* nana, *Phlox Douglasii* (almost blue), *Oxalis enneaphylla*, *O. e. rosea*, *Viola pedata*, *Dianthus Freynii* alba, *Aethionema jucunda*, *Daphne rupestris*, *D. arbuscula* and *Pentstemon Davidsonii* with scarlet flowers). *Fabiana imbricata* was also in good condition.

Mr. Alfred Dawkins, Chelsea, had a particularly nice group of *Schizanthus grandiflora* in pots, the strain evidencing considerable variety and much excellence. Plants in 5-inch pots and about a foot high gave fine heads of flowers, and in white, pink, cream and yellow, crimson and rose, made a most attractive display.

Mr. J. C. Allgrove, Middle Green, Langley, Slough, had a very pleasing variety of choice hardy flowers, in which the show and alpine *Auriculas* played a prominent part. Other plants of note included the new white Chinese *Pæonia obovata*, *Meconopsis integrifolia*, *M. punicea*, *Primula Unique*, *P. Mrs. Berkeley* (which originated, we believe, from *P. japonica* alba and *P. pulverulenta*) and *P. sibirica* var. *chinensis*. A wealth of *Aubrietias* in pots included *Souvenir de W. Ingram*

(rose), *H. Marshall* (purple), Lavender, the pink-flowered *Moerheimii* and *Crimson King*. They made an excellent show.

Messrs. Jarman and Co., Chard, showed Tulips, *Pelargoniums*, *Viola cornuta* in variety, and other showy hardy flowers.

Mr. G. W. Miller, Clarkson Nurseries, Wisbech, had a remarkable exhibit of double Daisies, *Viola cornuta* purpurea, *Muscari conicum*, Mossy Saxifrages, *Polyanthuses*, Globe-flowers, Crown Imperials, with *Gentiana verna*, *Androsace Chumbyi* and alpine *Phloxes*. Quite an attractive lot of the most easily grown hardy flowers.

Messrs. J. Cheal and Son, Crawley, had a considerable exhibit of flowering shrubs, in which *Magnolia*, *Barberry*, *Lilac*, *Elæagnus edulis*, *Cerasus* J. H. Veitch, *Piptanthus nepalensis*, *Pyrus Malus* in variety, *Caragana arborescens*, *Akebia quinata*, *Daphne Cneorum*, *Pentstemon arguta* multiflora and other good plants were shown.

Mr. James Douglas, Great Bookham, had a superb lot of *Auriculas*, largely of the alpine class, though there were not a few of the show class on view. Of the alpine, Argus, Prince of Tyre, King George and Robert Bruce (an almost perfect flower) were the best; while of the show kinds, Mrs. Shepherd (green edge), Antiquary (fancy), James Hannisford (green edge), Peggy Gibson (crimson with white eye), Abram Barker (green edge), Heather Bell (the most beautiful of the grey-edged set) and Frank (a light grey edge) were among the best in a delightful lot.

Mr. James Box, Lindfield Nurseries, Hayward's Heath, had a choice lot of hardy plants, which included *Trilliums*, *Primula Sieboldii* in variety, alpine and subulata *Phloxes*, *Phlox Laphamii*, *Erica codonodes*, *E. australis*, *Tiarella cordifolia*, with *Lewisia Howellii*, *Cotyledon* and *Tweedyi*, all beautiful and distinct, and adding variety and charm to the group to which they belong.

Mr. Elisha J. Hicks, Twyford, had a lovely lot of Roses, arranging a centre-piece of the new single crimson-scarlet Hybrid Tea Princess Mary, one of the most charming and sweet-scented yet introduced. Mrs. George Norwood (pink, highly fragrant) was also well shown.

Mr. Clarence Elliott, Stevenage, contented himself with showing a bank of picked blooms of *Gentiana acaulis*, than which no flower of spring is more beautiful or fascinating.

The Misses Hopkins, Shepperton-on-Thames, showed many choice hardy flowers, *Auriculas*, *Phloxes*, *Geums*, *Ranondia* and others.

Mr. G. Kerswell, St. Thomas, Exeter, had a rich display of *Gentian* blooms, the vivid colour attracting much attention.

Messrs. W. Wells and Co., Merstham, exhibited a fine lot of the perpetual-flowering *Antirrhinum Nelrose* in finer and better condition than we have seen before.

Messrs. G. and A. Clark, Dover, showed hardy flowers in variety, *Iris susiana*, *Clematis montana*, Mossy Saxifrages and the like.

Mr. R. MacConnell, Bromley, had a fine group of *Cineraria stellata* of a good blue colour. The heads of flowers were 2 feet to 3 feet across, the plants admirably grown.

Messrs. W. Cutbush and Sons, Highgate, N., staged a floor group of Roses, chiefly of the *Polyantha* class. Jessie, Joan of Arc (white), Baby Tausendschön and White Pet were among those shown.

Messrs. Waterer, Sons and Crisp, Bagshot, had a pretty alpine exhibit, a rockery arrangement with path or waterway suggested in the centre. Clothing the sides with Mossy Saxifrages, alpine *Phloxes*, *Aubrietias* and others, a good effect was secured. *Draba pyrenaica*, *Daphne Cneorum* and *Aethionema Warley Rose* were among choice items.

Messrs. Piper, Barnes, arranged a group of hardy flowers, making a feature of *Violas* and alpine and other *Phloxes*. Alpine *Primulas* were also freely shown.

Messrs. Young and Co., Cheltenham, showed some excellent Carnations, such as Duchess of Devonshire, Mrs. C. W. Ward, Scarlet Glow, Hon. Lady Neeld (scarlet and white), British Triumph and others.

Messrs. Carter Page and Co., London Wall, exhibited in pans a lovely lot of *Violas*, Snowflake, James Pilling (blue and white), Winchmore Bedder (purple) and Mrs. R. C. Pasfield (bronze) being some of the more distinct.

Messrs. B. R. Cant and Sons, Colchester, had a superb lot of Roses, of which Sally (cream and gold), Mme. Edouard Herriot, Silver Moon (single white), Cupid (single pink), Austrian Copper, Autumn Tints and American Pillar were among the choicest.

Mr. L. R. Russell, Richmond, showed a variety of alpine plants on rockwork.

Mr. G. Reuthe, Keston, had a most interesting lot of alpine plants and shrubs, the former including *Rhododendron fastigiatum*, *Daphne arbuscula*, *D. rupestris*, *Oxalis enneaphylla*, *Anemone palmata*, *Cassiope mertensiana*, *Rhododendron racemosum*, with *Lewisia*, *Bryanthus erectus* and other choice plants.

Mr. M. Prichard, Christchurch, had a nice lot of alpine plants in pots, *Androsaces*, Saxifrages, *Iris cristata*, *Cornus canadensis*, *Onosma taurica*, *Erinacea pungens* and *Sedum pilosum* being among the more choice.

Messrs. Frank Cant and Co., Colchester, showed some admirable Roses, chiefly of the *Polyantha* and *Wichuraiana* classes, with such as Lady Roberts, Irish Elegance, Juliet and Sunburst.

Messrs. T. S. Ware, Limited, Feltham, had a fine display of the showier alpine, *Phloxes*, *Aubrietias*, *Incarvillea grandiflora*, *Tiarella cordifolia* and *Lithospermum* being particularly well shown. *Chamaelirion carolinianum* was among the most rare.

Messrs. Phillips and Taylor, Bracknell, had a very good assortment of alpine and show *Auriculas*, with alpine *Phloxes*, *Oxalis enneaphylla* and other flowers.

Messrs. Reamsbottom and Co. staged a lot of cut flowers of the St. Brigid *Anemones* in single and double flowered varieties.

ORCHID COMMITTEE.

Present: J. G. Fowler, Esq. (chairman), Sir Jeremiah Colman, Sir Harry J. Veitch, and Messrs. J. O'Brien, R. Brooman White, Arthur Dye, G. Hunter, J. Cypher, J. E. Shill, T. Armstrong, R. A. Rolfe, F. J. Harbours,



Pantia Ralli, Walter Cobb, F. M. Ogilvie and J. Wilson Potter.

Mr. H. T. Pitt, Stamford Hill, had a small group in which Miltonias in variety were chiefly displayed. Others of note included *Anguloa Clowesii*, *Zygopetalum Cecil Rhodes* and *Maxillaria Harrisonae*. Some good *Cypripediums* and *Odontoglossums* were also shown.

#### SCOTTISH HORTICULTURAL ASSOCIATION.

THE monthly meeting of this association was held in their hall, 5, St. Andrew Square, Edinburgh, on May 4. There was a good attendance, presided over by Mr. W. G. Pirie, president of the association. A number of excellent exhibits were on the table. Among them were plants of *Antirrhinum Nelrose*, sent both by Messrs. Dobbie and Co., Edinburgh, and Mr. M'Hattie, the City Gardener, from the Edinburgh Public Parks. Mr. Armstrong, Kirknewton House Gardens, again exhibited seedlings of *Senecio Moorei*, following up his interesting exhibit at the April meeting. The president, Mr. W. G. Pirie, exhibited a choice collection of *Narcissi* from the gardens at Dalhousie Castle. Messrs. Todd and Co., Edinburgh, exhibited *Rose Molly Sharman Crawford*; and Mr. J. A. Sword, Inveralmond Gardens, Cramond, showed fine *Schizanthuses*. There was no paper read, but the evening was devoted to the discussion of different horticultural questions of an interesting and useful character. An encouraging report was made by the secretary, Mr. A. D. Richardson, respecting the work of the association in connection with the Vegetable Products Committee in sending fresh vegetables, fruit, &c., to the North Sea Fleet. He made an appeal for further supplies, stating that he was informed the Edinburgh branch was almost up to the leading one—Liverpool—in sending supplies.

#### Assistant Superintendent of Glasgow Parks.—

At a meeting of the Parks Committee of the Town Council of Glasgow, held on May 5, consideration was given to the candidates on the short list of three drawn up the previous week for the appointment of Assistant Superintendent of the City Parks, under Mr. James Whitton, V.M.H. By a majority it was agreed to recommend the appointment of Mr. James Rourke, foreman at the Glasgow Botanic Gardens, who has been there for about eighteen years. Prior to going to Glasgow, Mr. Rourke, who is a native of Ireland, was on the staff of the Royal Botanic Gardens, Glasnevin, Dublin, and also on that of

the Royal Gardens at Kew. He is an able gardener and plantsman, and the many who know him will be pleased to hear of his success, should the recommendation be accepted by the Council. There were about 150 candidates for the appointment, for which the salary offered was £250.

#### Small Amateurs and the National Carnation Society.

—The National Carnation Society (Southern Section) has issued its thirty-eighth annual report, together with the schedule of prizes for the show to be held in the Royal Horticultural Society's Hall on July 22. Most important additions have been made in the third division for amateurs who do not grow more than 300 plants in pots nor advertise plants for sale except under Rule 17. The Martin Smith Memorial Challenge Cup will be awarded to the exhibitor gaining the highest aggregate number of points in the third division, also a medal in addition to commemorate the event. First, second and third prizes, value 8s., 6s. and 3s., will be awarded for six Carnation blooms, dissimilar varieties, Class 27, selfs; Class 28, fancies; and Class 29, yellow-ground Picotees. First, second and third prizes, value 4s., 3s. and 2s., will be awarded for three blooms, one variety only, in one vase, in Class 30, pink or rose selfs; Class 31, white selfs; Class 32, dark red or maroon selfs; Class 33, yellow selfs; Class 34, red or scarlet selfs; Class 35, buff or terra-cotta selfs; Class 36, selfs any other colour not previously mentioned; Class 37, yellow or buff ground fancies; Class 38, fancies other than yellow or buff ground; and Class 39, yellow-ground Picotees. This means that thirty-nine prizes, as well as the Martin Smith Cup, will be awarded this year, instead of seventeen as in previous years. The possibility of small amateur growers winning prizes is therefore enormously increased. Those who are not already members

of the National Carnation Society should at once communicate with the hon. secretary, Mr. Charles Henwood, 21, Clifton Road, Maida Vale, London, W. The minimum subscription to the society is 5s.

#### Royal Visit to Swanley Horticultural College.

Her Majesty the Queen, attended by Lady Mountbatten, Trefusis, paid a surprise visit to the Horticultural College for Women, Swanley, Kent, on Friday afternoon, April 30. Her Majesty was received at the entrance to the College by Viscountess Falmouth (Director), Miss Wilkinson (Principal) and Miss Kekewich (Secretary). She visited every department and saw the students at work, and Her Majesty was much interested, and expressed approval of all she was shown. Her Majesty also saw the students who have been sent by the Board of Agriculture and Fisheries for a short course in milking and farm work. The Queen then visited the Colonial and Domestic Training Branch (North Bank), being received by Mrs. Hopkinson (Chairman of the Branch) and Miss Elrington (Superintendent), where she took tea. Before leaving, Her Majesty handed £100 to Lady Falmouth (part of a sum of money collected for her by Freemasons' wives), to be applied to assist in training at this College those who are suffering reverses owing to the war.

#### TRADE NOTE.

##### SUMMER-HOUSES FOR SMALL GARDENS.

Now that the warm, sunny days are approaching, a summer-house is a necessary and pleasant adjunct to a garden, whether this be a large, broad expanse of woodland and turf or the modest straight plot of the suburban garden. Indeed, in the latter some artificial shelter is even more necessary, owing to the absence of shade-giving trees. We are reminded of this by the receipt of a special illustrated list from Messrs. Pearce and Co. of 644—6 Holloway Road, London, N. In this list an excellent little summer-house is illustrated, the price being less than £3. Messrs. Pearce have an excellent reputation, hence the workmanship is sure to be of the best.

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town garden, window-box, room, and roof gardening, soil, their treatment, insects and insecticides, fungi and fungicides, etc., etc.—this rough list gives but a taste of the thoroughness of the work.

Considerable space is devoted to the fascinating subject of orchid-culture, and those who have hitherto been deterred from attempting this owing to a belief that orchids are difficult will be induced to realise that the contrary is the case.

Roses, Rose Gardens, Exhibition Roses are also dealt with by experts, information relating to this favourite branch of gardening being divided into propagation, budding, the preparation of stock, selection of stock, soils and manures, how to plant a rose in pots, etc., etc. A compendious list of rose groups is given giving individual appearance, characteristics, treatment, etc.

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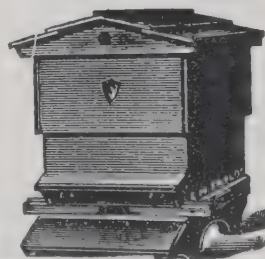
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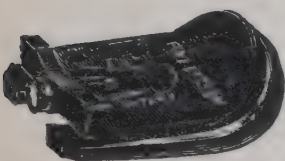


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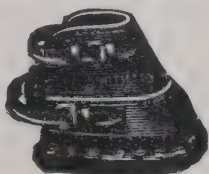
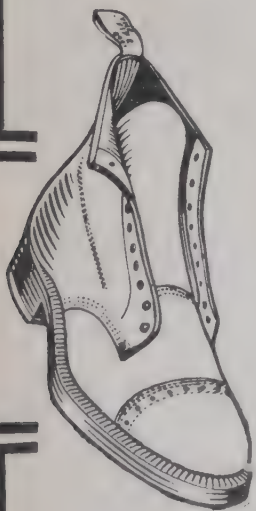
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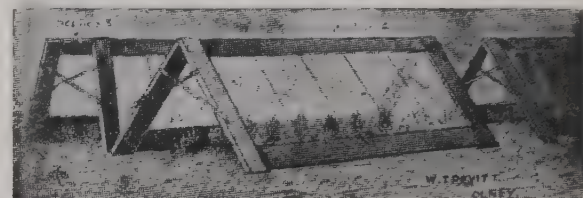
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Phlox, mixed, good... 4 ,, 6d	Violets, best giant-flowering, fragrant blue, The Czar, Princess of Wales, La France, etc. ... 9 ,, 6d
Phlox, best named ... 3 ,, 6d	Viola Cornuta, for bedding, rockery, etc., Kelway's Mauve Queen, Purple Queen, white and blue Perfection... 9 ,, 6d
Pinks, coloured ... 9 ,, 6d	Violets, Marie Louise, and De Parme, double mauve, fragrant ... 6 ,, 6d
Pinks, Her Majesty and Mrs. Sinkins... 4 ,, 6d	Viola, Maggie Mott, Kingcup, Kitty Bell, Pembroke, Royal Sovereign, etc. ... 6 ,, 6d
Pink, double white... 6 ,, 6d	Violas, white, yellow, blue, purple, red, large flowering ... 9 ,, 6d
Polyanthus, best border ... 9 ,, 6d	
Polyanthus Primrose 6 ,, 6d	
Poppies, Oriental, large crimson or scarlet ... 9 ,, 6d	
Potentilla, double ... 4 ,, 6d	

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Calystegia double, Morning Glory ... 2 for 6d	
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Clematis; erecta alba, white, shrubby; Hendersonii, violet; Integrifolia, violet; Vitalba, white; Viticella, purple ... 1 for 6d	
Hops, true Kentish, Goldings, large roots full of shoots 2 ,, 6d	
Passion Flower, hardy, blue and white ... 2 ,, 6d	
Tropæolum speciosum, brilliant scarlet ... 2 ,, 6d	
Tropæolum tuberosum, true Peruvian Flame Flower 2 ,, 6d	
Tuberous rooted Wistaria or violet-scented Pea Flower, Climber ... 2 ,, 6d	
Wistaria sinensis, favourite climber, blue ... 1 ,, 9d	

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Ageratum, Kelway's Blue Perfection or New Mauve Beauty 12 ,, 6d	Marguerites, lovely new double, Mrs. Sander, white ... 3
Alyssum, white, little gem, very dwarf... 15 ,, 6d	Marguerites, large white Covent Garden and large sulphur yellow ... 4
Antirrhinum, tall, medium and dwarf, in mixed colours ... 9 ,, 6d	Mimulus cardinalis, large scarlet Musk ... 6
Antirrhinums, named varieties, all colours, separate... 6 ,, 6d	Nicotiana affinis, fragrant white tobacco ... 9
Aralia Fig Palm ... 2 ,, 6d	Nicotiana Sanderæ, crimson tobacco... 9
Arum Lily Maculata, white flowers, spotted foliage ... 4 ,, 6d	Nemesia Suttoni and Compacta... 12
Arum Lily, large, in bud, white (Calla) 1 ,, 6d	Nigella Miss Jekyll, blue ... 12
Asparagus Sprengeri of Plumosa ... 1 ,, 6d	Pentstemons, large hardy plants from cuttings, will flower well this year, Scarlet Newbury Gem, and Kelway's Forbes, Suttons, etc., grand large flowering ... 3
Aster Sinensis, single Marguerite Asters, separate colours, mauve, pink, white and blue ... 12 ,, 6d	Pentstemon, scarlet, Southgate Gem or new pink ... 2
Asters, best doubles, Ostrich Plume Chrysanthemum flowered, giant Comet Victoria ... 15 ,, 6d	Petunia Prize Exhibition and Giant Excelsior ... 6
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Dahlias, new single Colossal ... 6 ,, 6d	Smilax, long trailing 4
Dahlias, Kelway's single Cactus ... 6 ,, 6d	Spiræa florabunda, huge white feathery plumes ... 2
Dahlias, new Paony-flowered ... 3 ,, 6d	Spiræa Peach Blossom and Queen Alexandra, new lovely pink plumes 1
Dahlias, new Collarette ... 4 ,, 6d	Stocks, ten weeks, choice large doubles 12
Eucalyptus, air purifier... 4 ,, 6d	Stocks, Beauty, new Salmon Pink ... 9
Fuchsias, choice dubs. 4 ,, 6d	Streptocarpus vetches new hybrids ... 3
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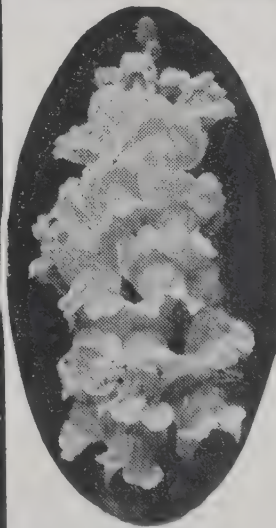
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## TREES AND SHRUBS.

Immediately inside the Sloane Square entrance the collection of shrubs from the Donard Nursery Company, Newcastle, County Down, attracts the attention of the lover of rare kinds. The chief feature is a selection of *Leptospermums*. Besides the brick red *L. bullatum* Nichollii, there are pretty little bushes of the pale *Boscawenii* and an unnamed cross, said to have originated in their nursery between these varieties. It is much after the style and colouring of *L. bullatum* Chapmanii, and differs only in that the flowers are a trifle larger and have a heightened shade of the same medium pink colour. Other rare shrubs are *Pittosporum* Silver Queen, *Grevillea* Banksii, *Enkianthus* and *Veronica* Astorii, a compact, Cupressus-like bush having pale yellow tips and being suitable for rock gardening.

In the large tent, Messrs. Piper and Sons, Bishop's Road, Bayswater, show more of the large old *Wistarias* which so delighted us last year. Here, again, is to be seen those aged but robust specimens with gnarled stems bearing long racemes of purple, mauve and white flowers.

Cut branches of Lilacs shown by several firms illustrate that there are many more sorts than the common type and the ordinary white. Besides a great variation in the lilac shades, which range from very pale to almost deep purple, there are many varieties with double flowers, which give great substance and lasting properties to the trusses. Mr. Charles Turner, Slough, has all the best sorts massed very effectively, while Messrs. W. and J. Brown, Peterborough, have them associated with floriferous pillars of the Rose Mrs. Rosalie Wrinch, which bears many charming single or semi-double flowers of rose pink colour.

A very effective arrangement is the group of purple-leaved Japanese Maples and *Cytisuses* displayed by Mr. R. C. Notcutt. Purple and gold is always harmonious, and here the dainty, butterfly-like flowers increase the effect.

Pot Clematises, in such amazingly well-grown specimens, are contributed by Mr. L. R. Russell, Richmond, and Mr. George Jackman of Woking. For quantity of flowers, one turns to the former, where white and mauve shades prevail; but if fine individual flowers are fancied, the latter group will receive most admiration. New Clematises are not now everyday occurrences, but Mr. Jackman shows in King of the Belgians a striking novelty of the true patens type. The colour is an elusive shade of dull mauve, with pink lines along the centre of the petals. Of the many varieties on show, Lady Northcliffe, President, Mrs. George Jackman, Henryii and Ville de Lyon are a representative selection.

Out of doors Messrs. Waterer have an exceedingly bright group of *Rhododendrons*, in which the bright red variety *Stirling* is used in quantity and to good effect. At one end is a fascinating scheme composed of fiery red Ghent Azaleas, divided by various Japanese Maples from a profusely flowered row of *Viburnum plicatum*.

In an attractive group Messrs. George Jackman show *Hydrangea arborescens grandiflora alba*, bearing many trusses, more of the shape of *hortensis* than *grandiflora*, but decorative withal. A goodly bush of *Kalmia latifolia* is also included.

Lilacs in great variety, both double and single flowered, are contributed by Messrs. Paul and Co. of Cheshunt, and here the most noteworthy double varieties are *Comtesse de Choiseul* (pale blush), *Negro* (dark lilac), and *Jeanne d'Arc* and

Miss Ellen Willmott (two superb whites). Of the singles, Miss Florence Stepman (white) and *Othello* (as its name suggests, a very dark colour) are exceedingly good.

The Yokohama Nursery Company are exhibiting dwarf pigmy trees of apparent antiquity, and dainty miniature gardens complete with summer-houses, storks and goats.

In a side staging Messrs. Carter also show pigmy trees, ranging from tiny Junipers to larger and older *Cupressus obtusa*.

Of the various groups of ornamental trees and shrubs which are displayed at intervals alongside the Lime Tree Avenue none is larger or richer than the exhibit of Mr. L. R. Russell of Richmond. His wonderfully fine trees and shrubs are displayed in groves and huge beds, where may be seen tall standards of *Acer Handgery* and many other Maples; an interesting collection of Beech trees, which include the rosy tinted *Fagus roseum marginatum*, the golden-splashed *foliis argenteo-variegata*, as well as the more common Purple Beech. Many *Ceanothuses*, highly coloured Japanese Maples, beautiful Tree Ivies and *Erythrina crista-galli* play great parts in the scheme; while of the less showy, but very interesting species, the conifer from *Tierra del Fuego*, *Fitzroya patagonica*, and the curiously twisted *Cryptomeria spiralis* must not be overlooked.

There are also many new and rare shrubs in the large exhibit of Messrs. Piper and Sons, which include *Lonicera Giraldui*, a species with woolly grey foliage and purple flowers, but unfortunately little or no perfume; *Jasminum officinale variegata*, with liberal splashes of golden colour on the foliage; *Rubus Veitchii* has curiously adorned grey-leaved shoots; while *Ilex Pernyii* is shown as neat bushes well set up with berries.

No account of the outdoor exhibits of trees and shrubs can be complete without mention of the immense collection of Japanese Maples which Messrs. Fromow have so effectively arranged, partly under the shadow of a luxuriant Elm tree in the lee-way of the large marquee. Here are Maples of every possible kind arranged with consummate skill. Many standards of the golden-leaved *Acer japonicum aureum* serve to lighten up the group and to intensify the colours of the brilliant *A. sanguineum variegatum*, *A. roseum marginatum*, and the finely cut *A. dissectum variegatum*.

Near the rock gardens a half-moon-shaped bed, filled by Messrs. J. Cheal and Sons, Crawley, demands attention, if only on account of the goodly row of *Viburnum plicatum*, well furnished with balls of pure white flowers. But there are other admirable shrubs—many *Cytisuses*, Lilacs, Maples, and a quantity of the ever-blooming *Teucrium latifolium*. This exhibit partly encloses a circular bed by Messrs. Carter and Co., Raynes Park, where they display Lilacs, Ghent Azaleas and Tree Pæonies within an alpine edging.

## CLIPPED TREES.

Examples of topiary skill are always a feature of the outside exhibits at Chelsea, and on the present occasion there are quite as many objects as previously. Here may be seen Box and Yew trimmed and trained into all conceivable shapes—birds, beasts and fowls, ships, barrels, spirals, seats, and what not—and all are as nearly perfect as the art and skill of the operator can make them. At the Embankment entrance, Messrs. Cutbush

of Highgate display what they pleasantly term "Cutbush's Cut Bushes" in green-painted tubs. Adjoining is a large collection by Mr. J. Klinkert, Richmond. Further on, Messrs. Piper and Son show a neat group in Yew, while in the Avenue they have examples all in Box, with a few dwarf Japanese trees near by.

## AZALEAS AND RHODODENDRONS.

Not a little of the gorgeous colour in the huge tent is due to the beautiful flowers of the mollis and Ghent Azaleas. The wonderful brilliance of these flowers—rich in shades of pink and yellow—pale many others. The palm must be given to Messrs. R. and G. Cuthbert of Southgate, who have two groups of massed brilliance and delicious fragrance. Of the many varieties, it is the fiery red of J. C. van Tol, which occupies the centre of the further group, that instantly attracts and holds the eye, and gains in attraction from the rich oranges and softer pinks of the many Ghent varieties.

Hardy Azaleas of many hues are also on show in the group of Mr. R. C. Notcutt of Woodbridge, Suffolk, who associates them with large-trussed *Rhododendrons*, of which White Pearl, a much paler counterpart of the now well-known Pink Pearl, is the predominant variety.

In their group of *Rhododendrons* Messrs. George Bunyard, Maidstone, Kent, feature a "new scented *Rhododendron*," named Sir Charles Butler. It bears a goodly truss of large, blush purple flowers; but the scent, probably on account of the dull, cold weather, was but faint. Still, it is a very attractive variety, and harmonises well with the deeper and brighter shades. Occasional *Pyruses* and *Cytisuses* serve to lighten and diversify this exhibit.

The two large groups of hybrid *Rhododendrons* displayed by Messrs. Waterer, Sons and Crisp, Liverpool Street Arcade, London, are composed of specimens fully up to the high standard we expect from this firm. All the bushes are sturdy, robust, and headed with large, compact trusses in a variety of colours. In one group it is the rich pink-flowered Alice which commands attention, while on the opposite side of the pathway equal importance is given to the popular Pink Pearl.

## BEGONIAS.

As usual, Messrs. Blackmore and Langdon, Bath, hold a strong position. To attempt to describe the glories of this firm's wonderful varieties is almost beyond human limits. Suffice to say the plants are perfectly grown, and carry massive flowers of exquisite colouring. Princess Victoria Louise (soft salmon), James Braid (a remarkably fine crimson with a high centre), Kennerley Rumford, Mrs. Thornton (pure white, a superb variety), H. W. Fry (a most perfectly formed cerise), Dorothy Watson (a vivid orange) and Violet Langdon (a most beautiful rose-tinted variety) are some of the best. Several beautiful hanging varieties are suspended at intervals around the group, while the foreground is filled in with three varieties of *B. semperflorens*.

\* \* The report of the herbaceous plant groups and horticultural sundries is unavoidably held over until next week.



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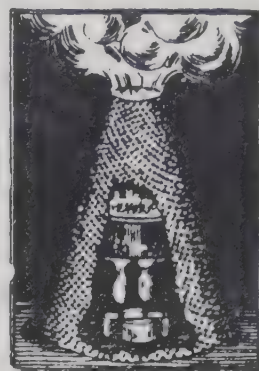
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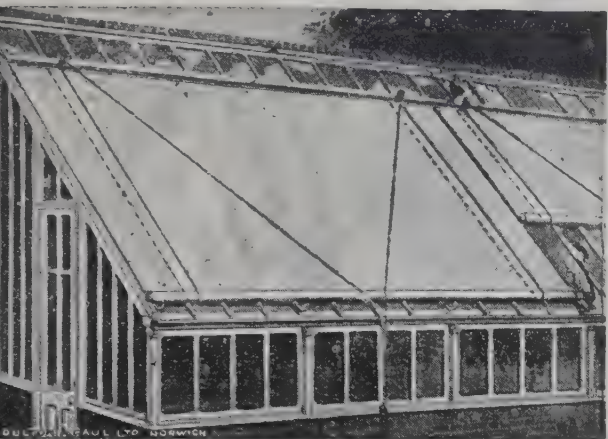
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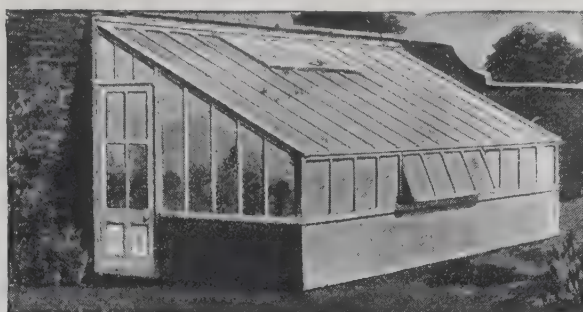
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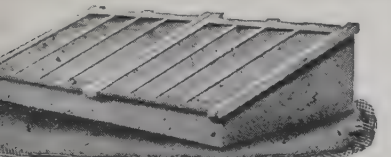
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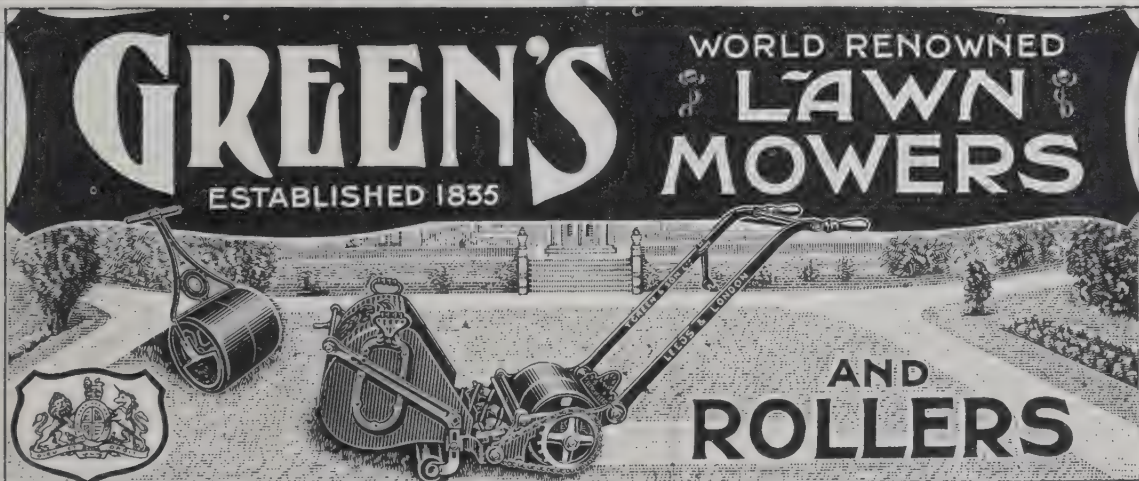
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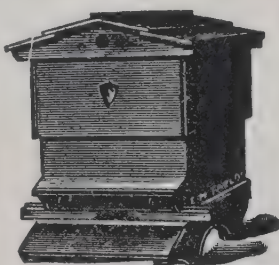
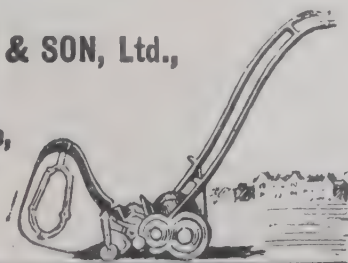
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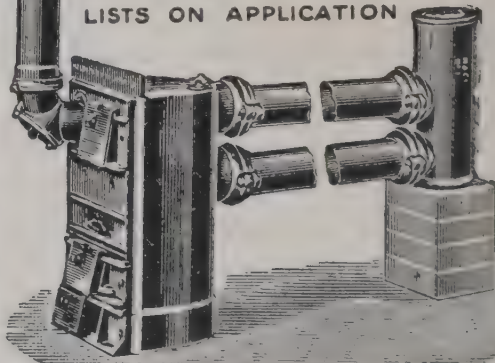
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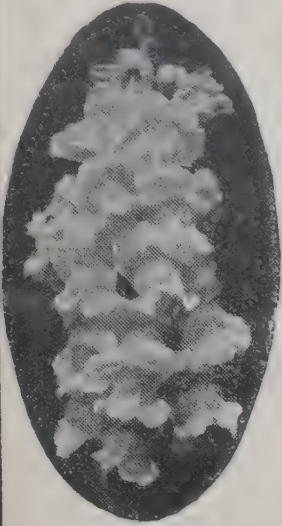
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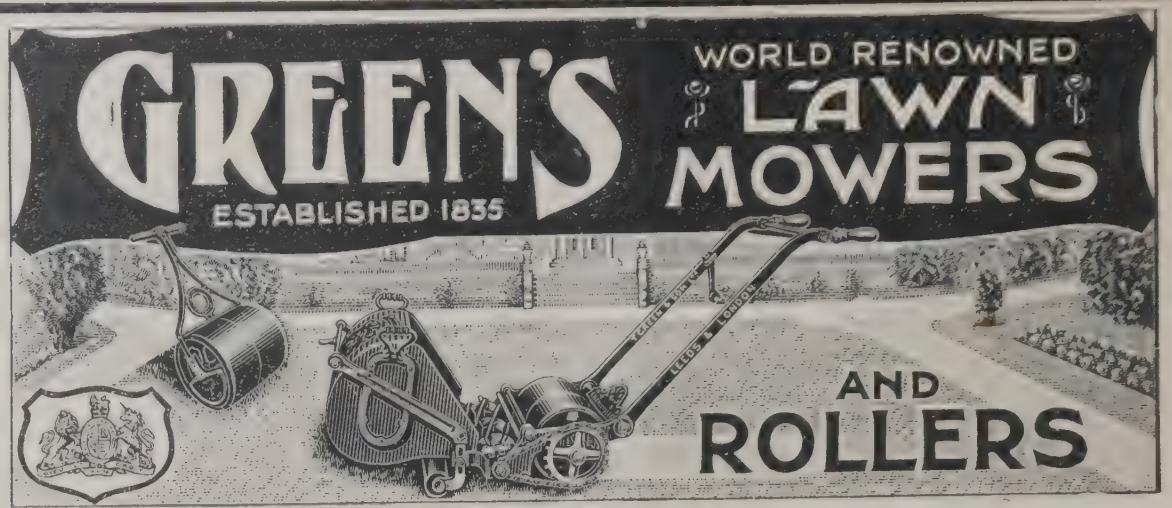
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## SPRINGTIME IN FRANCE.

THE spring in temperate climes is without doubt the pick of the year, and is of special interest and attraction to the Englishman who returns for the first time to England after years of exile spent in the almost seasonless Eastern Tropics, where there is no spring and no autumn, and only "the rains" to show the cycle of the year. It is the happy lot of the present writer to look forward to the spring in England under the above circumstances, and meanwhile he enjoys an earlier springtime, only less enjoyable than that at home, in the beautiful flower-growing districts of the South of France. Malta, on the homeward voyage, gave him an inkling of what was in store, and the beautiful gardens there surrounding the residence at Valetta of the Governor of the Colony, Sir George White, are well worth a visit at any time of the year. They are very formal, with broad paved walks whereon peacocks gaily strut in the warm sunshine, and numerous fish ponds and ornamental fountains; but they have a distinct charm and beauty of their own which the solemn Cypress trees of giant stature cannot subdue; while the air is laden with the scent of orange blossom from the plantations of Oranges all over the garden, the Governor enjoying the privilege of a large orangery reserved for His Excellency. Irises make a delightful display in the mixed borders, while great use is made by effective planting out of Cinerarias. Most English garden flowers grow in profusion, and the presence of plants such as Datura and Hibiscus, indigenous in the Tropics only and used at home as stove plants, show the mildness of the winter in this interesting naval station.

Here in the South of France the season is late. The warm weather is just commencing, and the winter has been long and late. The peasants, of course, say this is due to *la guerre*, and certainly they are feeling here the war's evil effects. The French agriculturist is known for his industry and care, and it is far from his custom to have the fields and gardens in their present neglected state, with weeds overgrowing all the fields, usually so well tilled and kept; but, as an old peasant woman toiling in the gardens told the writer only to-day, there are no men, all are at the war, "et que voulez-vous?" It is really pitiful to see these rich lands, flower and vegetable fields, rich vineyards and orchards, so neglected for want of labour; and yet not all is ruined. Those who are left, the old men, the women, the children, work hard, doing what they can, and keeping a really wonderful amount under careful cultivation. French intensive cultivation, under the excellent peasant proprietorship which prevails, wants labour, and the worst of it is that the weeds of this year will seed and entail extra work and expense to get the land clean again next year.

The South of France along the Côte d'Azur is a great flower-growing district. Large quantities are daily sent to Paris and London, and to the nearer large market towns, such as Toulon and Marseilles. Bandol, where these notes are made, is about the limit of the flower district on the west, and the further east the more abundant are the flower fields and market gardens; while Grasse, more inland, is the centre of the great scent industry. All the early spring flowers, the bulbs especially, are now over; but one sees

through the vineyards where large quantities of Hyacinths, Narcissi, Daffodils, Jonquils, &c., have finished their flowering, and now the gardens are beautiful with blazing beds of Tulips, Anemones, Violas, and, in beds protected by mat screens, large quantities of Freesias fill the air with their delicious fragrance.

In the flats in the valleys much land is given to Vine-growing, and to a certain extent the space between the rows of Vines—about seven feet—is intercropped with bulbous plants, such as Narcissi and Daffodils, and various vegetables, such as Peas, French Beans and Haricots, a system of cultivation not practised in all parts of the wine-growing districts of France. The gnarled brown stumps of the Vines are already breaking into leaf, and each day of sunshine brings them on visibly; while the light ploughing of the soil between the rows is now in progress, and it is interesting to note that the light single-horse ploughs used are of English make. It says something for the excellence of English goods when agricultural implements of British manufacture are used in France, the most advanced in agriculture of all the countries of Europe!

The country around here is hilly, with fertile valleys all fully cultivated and a background of rocky limestone mountains sparsely timbered. Pines here do not seem to do well, and are generally stunted and poor from the forester's point of view. The steep sides of the hills have been laboriously transformed into a series of long, narrow terraces built up with stone walls, giving them a curious appearance from the valley road, and reminding the writer of the little terraced Rice fields occupying the hillsides in Ceylon and Java. These terraced fields are used for vegetable growing, and it is wonderful to see how these steep hillsides, otherwise useless from an agriculturist's view, have been turned into profitable use. Olives are extensively planted along the roadsides and the margins of fields; but these artificially shaped, sombre, grey-foliaged trees appeal little to my taste. After years of such tropical plants as Cocoanuts, Areca Palms, Bread Fruit trees and Plantains, one delights in the vernal beauty of Elm, Lime, Hornbeam and Beech, which, with Ash and Hazel, are found in the valleys and line the banks of the little stream meandering through the fertile Vallé de la Reppe, where my daily country walk is taken. The soil in these valleys is inclined to be heavy and clayey, retentive of moisture, and on the terraced hillsides there is a good deal of gravel and loose stones, and it is a little surprising that such excellent vegetables are so largely produced.

All the land seems to be used for market gardening, probably because there are few acreages extensive enough for pasture or as arable land, and what there is is used for Vines. There is very little dairying. For their own requirements the peasants probably keep goats, and twice daily an old goatherd with his flock saunters through the little town of Bandol, milking his goats before the houses of his customers. Whether it is the appearance of the farms and dwelling-houses or the small, carefully cultivated fields looking more like "allotment fields," or whatever the reason, one could never imagine this to be an English countryside, even if the mountains were not so obvious in the background. And yet the trees and wild plant life are the same. The Hawthorn is almost in full bloom, also the Mountain

Ash. Honeysuckle everywhere gives promise of abundant blossom. It should be delightful country for autumn blackberrying.

In the hedgerows and along grassy roadsides one delights in finding old friends of one's childhood days, Buttercup and Daisy—alas! no dainty Celandine—Speedwell, Scarlet Pimpernel, Wood Anemone and many others; while every rocky hillside is fragrant with great clumps of Rosemary and a profusion of wild Thyme, and gives shelter to many an alpine which would delight the heart of rock garden enthusiasts at home. It is difficult indeed to convince one's self that other parts of this same peaceful country are harassed and laid waste by pitiless warfare.

The French horticulturist seems to carry his love of pruning almost to an extreme. The entrance drives to the scattered châteaux and larger farms areavenued with pollarded Plane trees—one charming château has an entrance avenue of magnificent Magnolias, splendidly grown, almost specimen trees—while Mulberry trees are pruned into fancy shapes even along the high-road of the village. In every garden one sees pollarded and pruned trees of all sorts, according to the fanciful tastes of the owner.

It is a country of gardens full of interest to the garden-lover, and infinitely to be preferred to the exotic growths of the Tropics.

Bandol, Southern France. CHELSTON DENE.

## SCRAPINGS FROM UNTARRED ROADS.

UNDER the suggestion of a friend I have made some experiments in a small way with some road scrapings from a road untarred, but which had had two dressings of calcium chloride, or what, is, I believe, commonly known as "salt spray"; and in case it may be of any interest to your readers, I am sending the following notes:

A quantity of road scrapings from a road which had been twice watered with calcium chloride solution was obtained, and was in the form of a stiff mud. Not much manure was in it, but the presence of the calcium chloride was quite certain, seeing that the first spraying was done only six or seven weeks prior to the mud being collected. It was allowed to dry completely, more or less exposed to the sun, and when dry and hard it was broken and chopped up with the spade till in the form of a coarse powder of greyish colour.

The experiment was started on May 21 last year, when two small handfuls of the powder were put round the roots of each of the following plants, and others, when they had been well watered: Pyrethrums, Sweet Peas, Lupines, Chrysanthemums, Polemoniums and Marguerites. A thin sprinkling was given over the ground to the following annuals after watering: Clarkia, Linum, Eschscholtzia and Collinsia. All the subjects were watered again on May 22, and again through the summer as needed, and there was heavy rain recorded on the night of May 22 and on May 23, 1914. In conjunction with the watering, the soil round the bigger plants was stirred at intervals, and that round the annuals was pricked over occasionally with the fork.

The results were rather interesting. Instead of harming the plants as I expected they might, these powdered road scrapings were noted to have



a stimulating effect on the plants, which continued to grow and flower with no sign but that of advantage. Of course, this material cannot be regarded as a great stimulant, but this effect must not be disregarded. It is out of the ordinary to find that plants were not checked more or less severely by the presence of a chemical whose properties many people think may be harmful. So the scrapings may be used without fear, and I do not see why they should not be used moderately generously for lightening soils as heretofore, when man had never dreamt of calcium chloride for roads.

Those readers who have worked and used calcium chloride in chemistry (and I am one of the number) will be doubly certain that no harm will result if the scrapings are mixed with the soil in the autumn or early winter; for calcium chloride is very soluble in water, and by the time the spring comes some, if not all, of it will have been drained out of the soil into the subsoil below. That, however, does not matter if the stimulating properties are not required, *i.e.*, if manure is applied as well as the scrapings in the autumn or winter. But the fact remains that the amateur need not be shy of using it because of the calcium chloride.

**The Need for Experiment.**—As a closing word, let me point out the need for experiment in the garden. Everyone assumes "chemicals" to be poisonous to plants, or at any rate exceedingly harmful, until they are proved to be advantageous. But this is just the opposite of what it should be. The amateur should assume that chemicals are harmless till he is sure they have been proved to be harmful or dangerous, and by reason of the interest, and sometimes the advantage, of the results I urge the importance of experiment.

Wetwood, Ecclesall, Sheffield. E. T. ELLIS.

## ANSWERS TO CORRESPONDENTS.

### RULES FOR CORRESPONDENTS.

**QUESTIONS AND ANSWERS.**—*The Editor endeavours to make THE GARDEN helpful to all readers who desire assistance, no matter what the branch of gardening may be, and with that object make a special feature of the "Answers to Correspondents" columns. All communications should be clearly and concisely written on one side of the paper only, and addressed to the EDITOR of THE GARDEN, 20, Tavistock Street, Covent Garden, London W.C. The name and address of the sender are required in addition to any designation he may desire to be used in the paper. When more than one query is sent, each should be on a separate piece of paper. Plants for naming should be clearly numbered and securely packed in damp grass or moss, not cotton-wool, and flowering shoots, where possible, should be sent. It is useless to send small scraps that are not characteristic of the plant. Letters on business should be sent to the PUBLISHER.*

### FLOWER GARDEN.

**TULIPS DISEASED** (*Anglo-Indian*).—The Tulips appear to be attacked by the "fire" disease, most likely after having been exposed to frost or to cold winds, and sometimes when the roots have got into water-logged soil. The disease is due to a fungus which in bad cases forms resting bodies within the bulb scales, and which often then forms in the soil about diseased bulbs. The bulbs may, however, contain none of the fungus, and, if so, will probably produce quite healthy plants next year. The diseased foliage should be removed and the bulbs dried off in earth, planted in a fresh site next year, and protected from cold winds and draughts.

### TREES AND SHRUBS.

**ALMOND NOT FLOWERING** (*R. P. S. S.*).—There does not appear to be any reason why your old Almond trees should not flower, as they continue to make good growth. No good can be done by root-pruning; in fact, such an operation might injure the health of the trees. We think it is likely that the buds formed all right, but have been taken by birds during the winter. Old Almond trees well known to us have, year after year, had the flower-buds taken out by bullfinches, and in one garden we know it is necessary to protect the buds of double-flowered Peaches with old fish-netting. It would be advisable to leave your trees alone at the present time, and have them watched carefully next winter in order to ascertain whether they are injured by birds or not.

### THE GREENHOUSE.

**CHRYSANTHEMUM FOLIAGE WITH PUNCTURES** (*R. H. B.*).—The appearance of the foliage of the Chrysanthemums suggests that it has been damaged by some insect that has punctured it, probably the active bug, *Lygus pratensis*. We recommend you to fumigate the house in which the Chrysanthemums are growing.

### FRUIT GARDEN.

**CORDON GOOSEBERRIES** (*H. G.*).—The Gooseberry is naturally a free-growing bush, and we think the great restraint on its growth by confining its development to a cordon only 4 feet in length must be the cause of their not fruiting satisfactorily. We suggest that every other cordon be taken up in the autumn and replanted somewhere else at double the present distance apart, and then let each plant, including those not lifted, carry two cordons instead of one. This would not take long, and the way to do it is to encourage one of the low side branches to grow from each stem. Or, alternatively, you could extend the length of each in their present position. Your treatment in the way of pinching the side shoots is quite right.

### KITCHEN GARDEN.

**CUTTING ASPARAGUS** (*F. G.*).—Although your beds which have hitherto done very well would indicate that the system of cutting the grass followed by your gardener has had no ill effect upon the yield of the beds, yet from long experience we think the practice is wrong. The small grass is generally left uncut. We have found that better results are obtained by cutting all the heads of grass that grow until about June 15; then ceasing cutting altogether. There should be plenty of green Peas at that time to follow the Asparagus. There is no waste attending this system of cutting, as the smallest grass may be used for flavouring soups.

### MISCELLANEOUS.

**TOADS IN THE GARDEN** (*R. E. P.*).—There is no better friend of the gardener than the toad. It devours slugs and other pests which birds frequently leave severely alone. Toads should be encouraged by providing shady shelters for them in the garden. Cats often kill them, unfortunately, though they do not eat them.

**NAMES OF PLANTS.**—*E. L. M. J.*—*Pyrus lobata*.—*W. J. P.*—*Griselinia littoralis*.—*E. H.*—1, *Saxifraga muscoides* Rhei; 2 and 3, forms of *Saxifraga caespitosa*; 4, *Aubrietia deltoidea* variety; 5, *Erigeron philadelphicus*; 6, *Veronica gentianoides*; 7, 8, 9 and 10 are all seedling *Violas*. The yellow-flowered shrub is *Kerria japonica* flore pleno.

\* \* \* The Yearly Subscription to THE GARDEN is: Inland; 6s. 6d.; Foreign. 8s. 9d.

# The Best Book on Gardening

The "Century Book of Gardening" deals adequately and practically with every branch of horticulture, and with every detail relating to the contents of a garden. It is edited by Mr. E. T. Cook, who is assisted by a staff which includes the foremost authorities on Horticulture of the day.

There are over sixty sections in this work, each dealing with a branch of the subject of Gardening; each section is divided into—

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- A classified list which includes every known variety of the species, its habits, appearance, and proper treatment, and the points in which it resembles and differs from the others.

There are nearly 3,000 references in the Index and from this it will be gathered that every point can be turned up with great facility.

The beauty and variety of the illustrations, of which there are over 600, have never been approached; they include representations of the flowers, shrubs, plants, fruit and vegetables, as well as of the insects, fungi, etc., etc., dealt with in this work. The introduction of a series of beautiful gardens gives an added charm to a thoroughly practical book.

While every branch of flower and plant life is treated of fully and in detail, this book covers every other branch of horticultural knowledge. Trees, shrubs, the greenhouse, bulbs, climbers, ferns (hardy and exotic), bamboos, vegetables, fruit trees, fruit arming and culture, hedges and borders, the long-neglected

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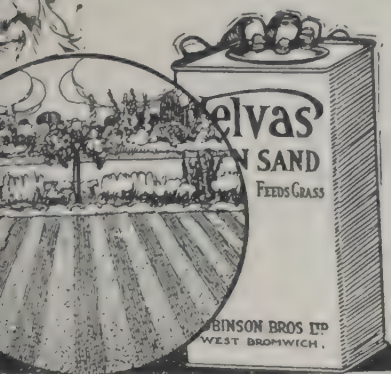
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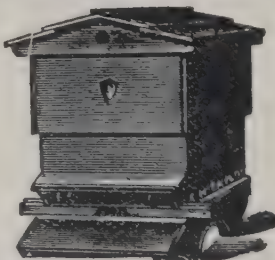
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**FAIRY QUEEN**.—Delicate shade of carmine rose, with white throat; a charming variety. 9d. per doz.; 5/- 100.

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**FOOD FOR PLANTS**  
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**THE 'PATTISSON' LAWN BOOTS**  
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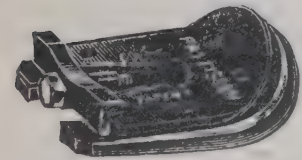


FIG. 1.

**SILVER MEDALS** Royal Horticultural Society, 1904, 1914, ROYAL INTERNATIONAL EXHIBITION, 1912.

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FIG. 2.

Illustrated Price Lists from the Makers—

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Protects Garden Beds from Cats, Rats and Mice.

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Put a little in every Seed Drill. Sprinkle a

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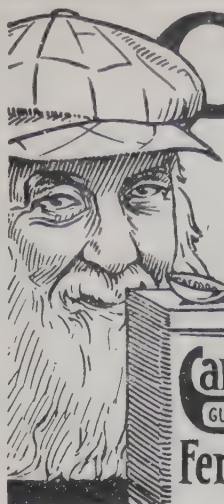
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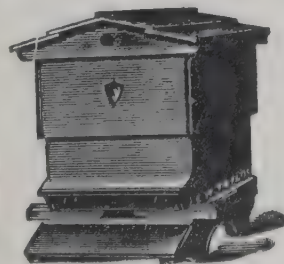
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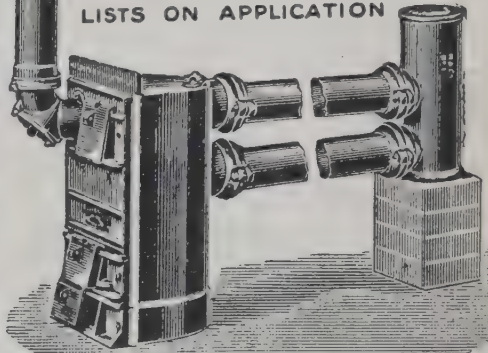
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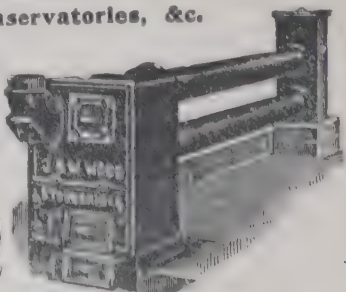
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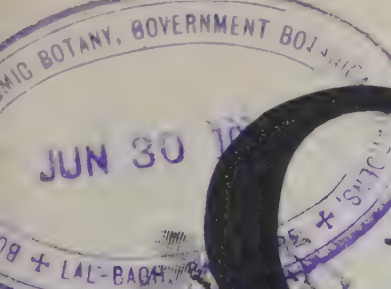
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ORCHARD AND WOODLAND

L. LXXIX.—No. 2273.

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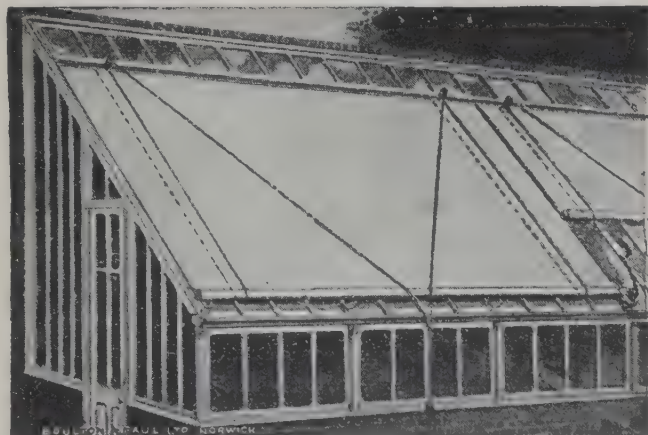
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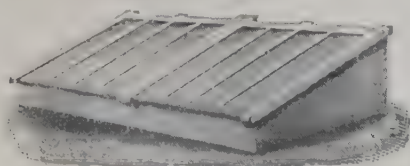
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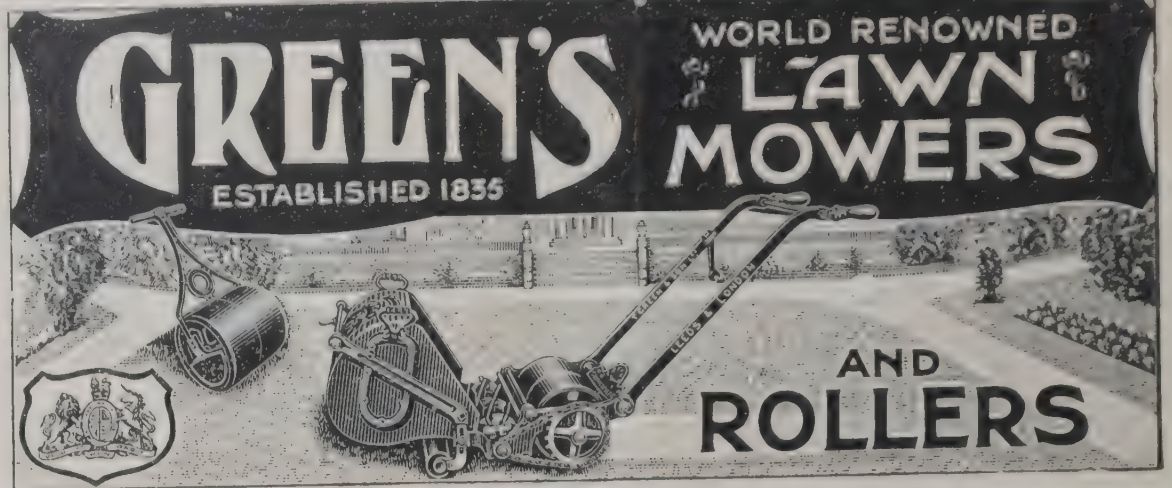
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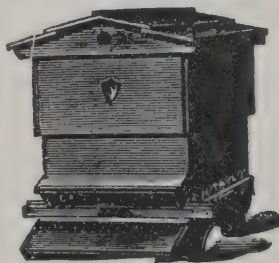
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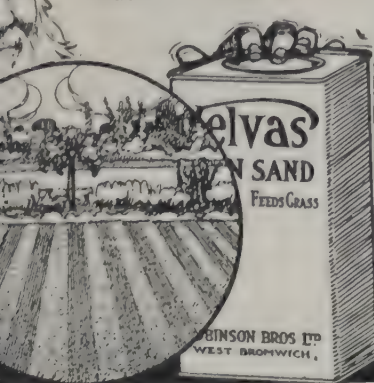
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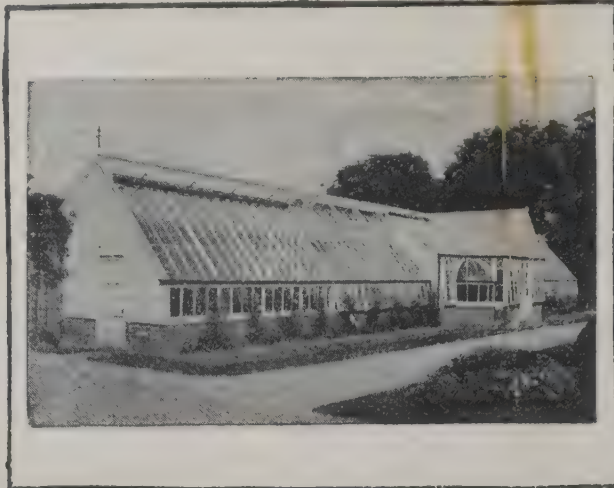
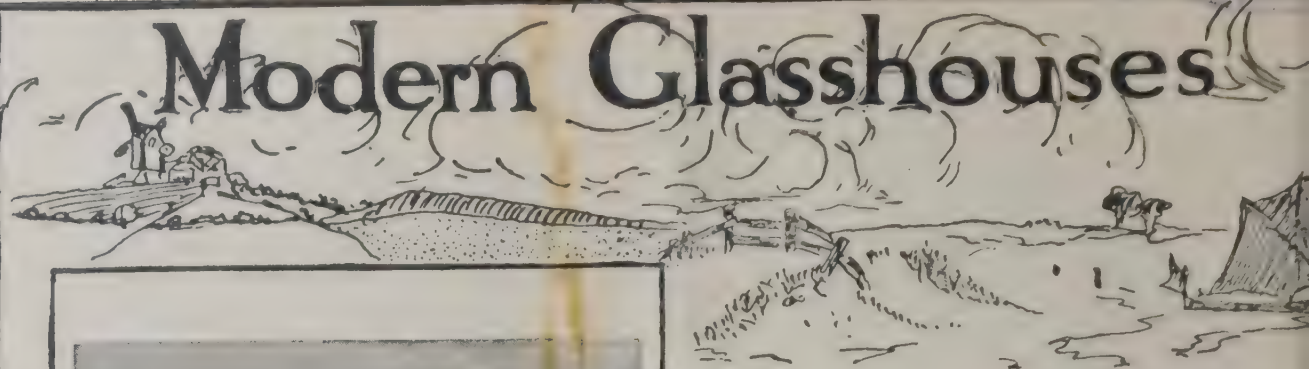
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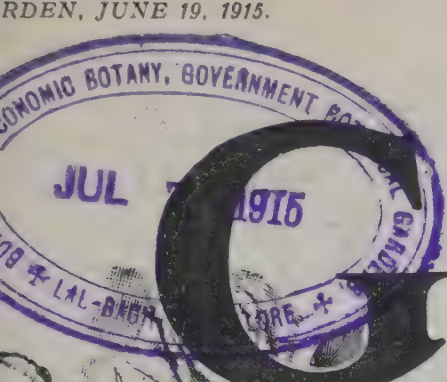
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REGISTERED No. Dated 7-7-15

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ORCHARD AND WOODLAND

LXXIX.—No. 2274.

Second-class Matter at the New York, N.Y., Post Office.

SATURDAY, JUNE 19, 1915.

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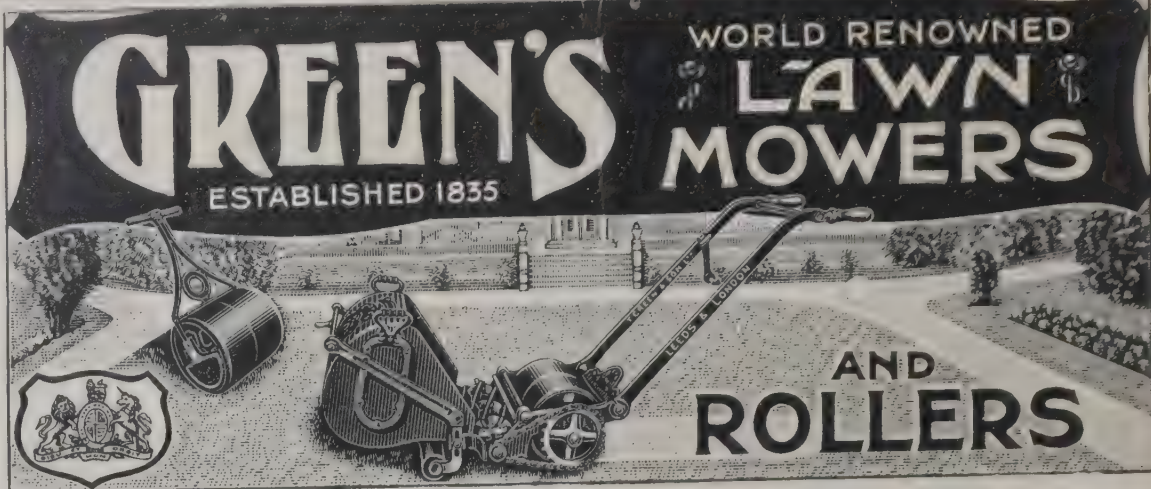
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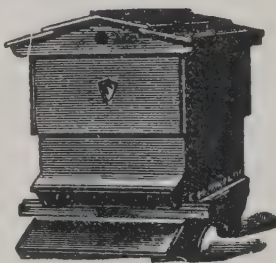
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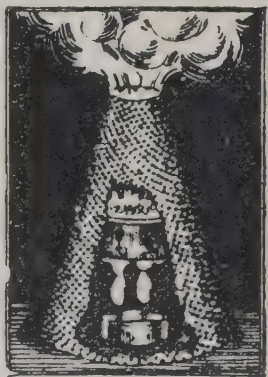
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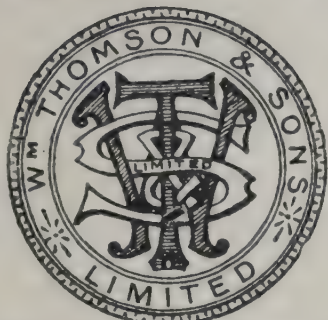
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medium and dwarf,  
in mixed colours... 15 ,, 6d  
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varieties, all  
colours, separate... 12 ,, 6d  
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bud, white (Calla) 1 ,, 6d  
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of Plumosa ... 1 ,, 6d  
Aster Sinensis, single  
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separate colours,  
mauve, pink, white  
and blue ... 12 ,, 6d  
Begonias in bud, pink  
or crimson, large  
plants, overstocked 6 ,, 6d  
Begonia, large flower-  
ing bulbs, any  
colour; started;  
double 2 for 6d.;  
single ... 3 ,, 6d  
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Queen, Luminosa,  
Rosea, and Magni-  
fica, very striking  
for bedding or pots 4 ,, 6d  
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red... 6 ,, 6d  
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white for hanging  
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strong rooted cut-  
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garden, best early,  
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purple flowering  
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flowered ... 3 ,, 6d  
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ette ... 4 ,, 6d  
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sturdy plants from  
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doz.; Crimson  
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giant blue... 9 ,, 6d  
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varieties, all colours  
and double & single  
mixed ... 12 ,, 6d  
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son, bush ... 3 ,, 6d  
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scarlet, Mrs. Brad-  
shaw ... 2 ,, 6d  
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flowering, English,  
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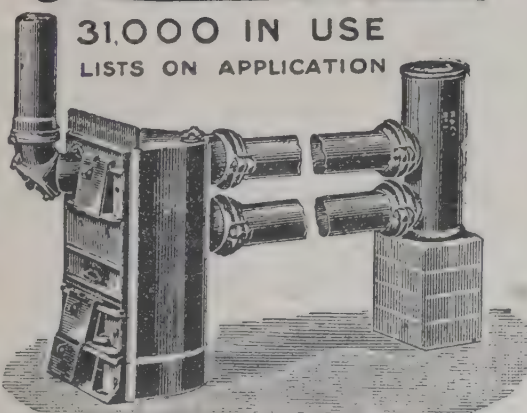
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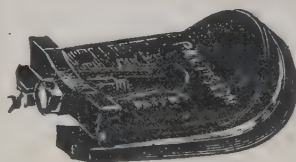


FIG. 1.

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THE GARDEN, JUNE 26, 1915.  
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# THE GARDEN

A WEEKLY  
ILLUSTRATED JOURNAL FOR GARDEN  
ORCHARD AND WOODLAND

VOL. LXXIX.—No. 2275.

Entered as Second-class Matter at the New York, N.Y., Post Office.

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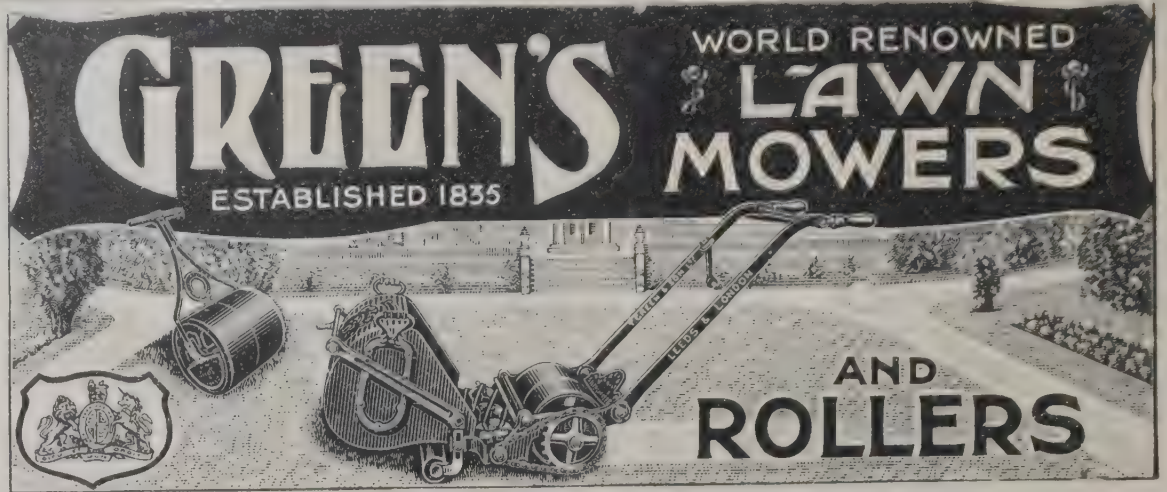
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16.7.15

# THE GARDEN

A WEEKLY  
ILLUSTRATED JOURNAL FOR GARDEN  
ORCHARD AND WOODLAND

LXXIX.—No. 2276.

Second-class Matter at the New York, N.Y., Post Office.

SATURDAY, JULY 3, 1915.

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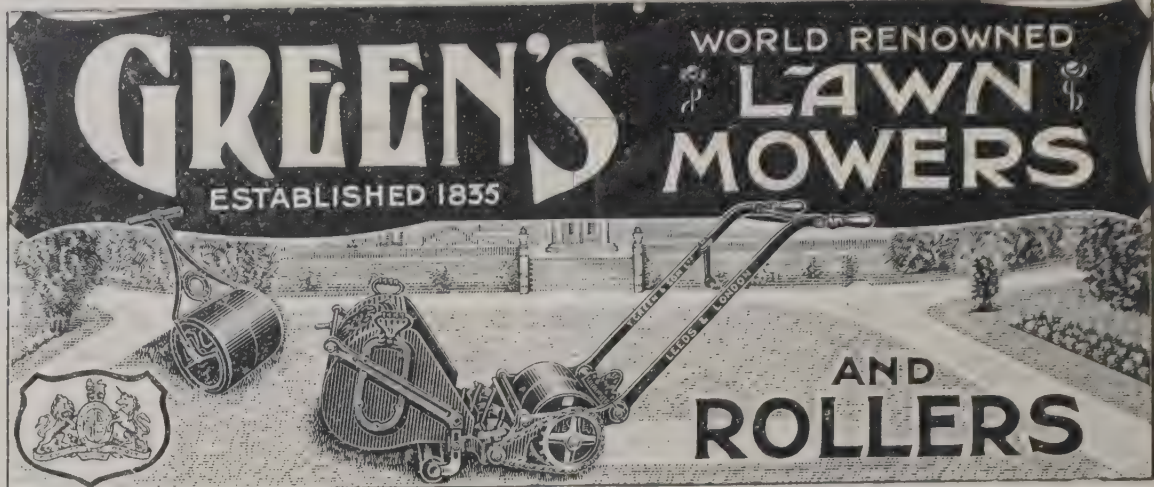
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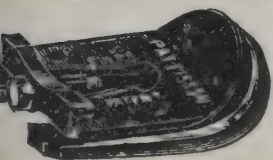


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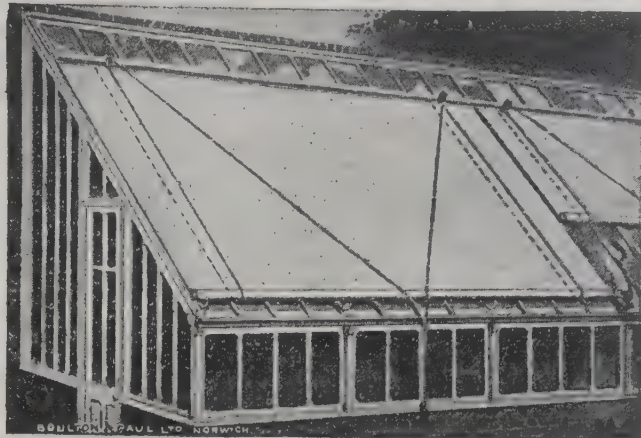
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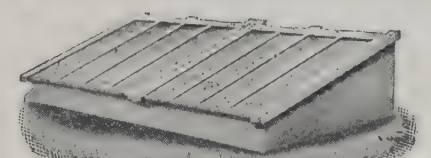
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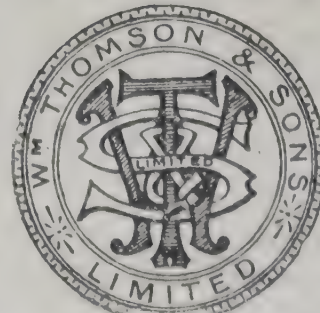
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ORCHARD AND WOODLAND

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Mr. W. Wells, jun., Merstham, staged goodly groups of Gaillardia Lady Rolleston, Geum Mrs. Bradshaw, Delphinium Moerheimii, D. Le Danube, D. King of Delphiniums, with Cnethera speciosa rosea and others. The group was fronted by a considerable variety of pines.

Messrs. Rich and Co., Bath, displayed a nice lot of Phloxes, Delphiniums, Gaillardias, Pentstemons and other plants in season. Monarda didyma, Scabiosa caucasica, and Gaillardias in variety were also good.

Mrs. Lloyd Edwards, Bryn Oerog, near Llangollen, brought some of the newest Heucheras, which were exceedingly brilliant in colour. Of these, perhaps the most brilliant is King George, though not far removed is Queen Mary. Beauty, too, is very bright in colour, and Edge hybrid Improved is a great advance on the original.

Mr. J. C. Allgrove, Langley, Slough, staged an admirable lot of Delphiniums, of which Rev. E. Lascelles, Moerheimii (white), Mrs. Thompson, Yvette Guilbert and Rubens were a few. Other showy subjects included Lychnis lgens, L. chalcidonica flore pleno, Verbascum Miss Willmott and Malva Olbia grandiflora.

Messrs. Bees, Limited, Liverpool, also showed these plants very finely, Belladonna grandiflora, King of Delphiniums, Dr. Bergman (azure blue), Carrie (royal purple) and Moerheimii (white) being the more noticeable. Other choice things included Iris ochra-aurea, Lilium ansonii, Rodgersia pinnata rosea (a fine plant), Silene cinerata Purpusii (brilliant scarlet), Clematis chrysocoma (pink, quite an alpine in character), Ranunculus yallii, Hypericum laeve rubrum and many choice varieties.

Messrs. Pulham and Sons, Elsenham, Essex, had quite a showy group, in which hybrid Dianthi were prominent. Pentstemons and Campanula raddeana were good.

Messrs. George Bunyard and Co., Maidstone, arranged a representative group of the best herbaceous subjects, the centre of attraction being a magnificent grouping of the new Delphinium Queen Mary, of sky blue colour with white eye. It is a single-flowered variety of large size and great beauty. Early Gladiolus delicatissima, perbissima and Blushing Bride were all in superb groups. English Irises, Eremuri and Calochorti were good of their respective kinds, while a great variety of plants contributed their excellence to a group marked by good arrangement and finish.

Bakers, Wolverhampton, had an excellent exhibit, chiefly of Delphiniums, arranging them in handsome groups of one colour and one variety. The Alake, Gallard, Royal Blue, Lovely (a very fine mauve), Rev. E. Lascelles (the finest of all doubles), The Queen (light mauve blue) and Moerheimii (white) were among the best. The group was nicely finished off with Campanulas and Heucheras. Messrs. Blackmore and Langdon, Bath, who grow and show the Delphiniums so well, had an admirable exhibit of these flowers flanking and backing up a superb lot of Begonias. Dusky Monarch, Chantry Queen (rosy mauve), Persimmon (sky blue), Statuaire Rude (very fine mauve), Savanda (deep rosy mauve) and Musis Sacrum (a nice rosy blue) were among the best of a fine lot.

Messrs. Waterer, Sons and Crisp, Limited, Bagshot and Twyford, contributed a mixed arrangement, in which herbaceous plants, Roses, Water Lilies and water-side gardening all played a part. In the herbaceous section Phloxes and Delphiniums shone out brilliantly, while such Water Lilies as W. Falconer, ellisiana, Gladstone and Meteor gave life and charm to the water portion. Campanulas, Saxifrages and Androsaces were noted as a fringing margin.

Messrs. George Jackman and Sons, Woking, arranged a goodly group of herbaceous flowers, in which Delphiniums were a strong feature. Other notable things were Astilbes, gloriosa being very fine; Scabiosa caucasica, Thalictrum dipterocarpum, Salvia virgata nemorosa, Heleum and Lytarrum Rose Queen. These made a showy group.

Mr. Maurice Prichard, Christchurch, had a group of considerable extent, merit and interest. Some of the things were Rodgersia pinnata rosea, Campanula pratensis, Hypericum empetrifolium, Spiraea imata and Campanula garganica in variety. Kniphofias, Eremuri, Irises of sorts and the rich scarlet of Verbena chamædryoides were also noted.

Messrs. R. H. Bath, Limited, Wisbech, contributed Delphiniums, with Roses and other things, the former including Polar Star, Geneva (light blue), Lamartine, Rev. E. Lascelles, Lizzie Van Veen and others. Some good white Peonies were noted.

Messrs. T. S. Ware, Limited, Feltham, had a rather extensive exhibit of herbaceous subjects, in which the Delphinium loomed largely. Lamartine (dark blue), Prince Henry (purple), Blue Sendre, Statuaire Rude (and some mauve), Robert Cox (purple) and Orion (right blue) were among the best. Lychnis grandiflora, the Campanulas, Pentstemons, Scabiosa caucasica and the alpestris were all noted.

Messrs. Barr and Sons, Covent Garden, W.C., had a goodly corner group of hardy flowers, skilfully arranged. Astilbes Venus and Ceres were very fine; while such early Gladioli as cardinalis, Charles Smith, Crimson Queen and Caledonia were most effective. Of Liliums Downii and candidum there were fine groups, while Delphiniums and a variety of other plants contributed a representative display.

Messrs. Harkness and Sons, Bedale, Yorks, staged herbaceous, Delphiniums and Gaillardias in much variety and beauty. Geums and Salvia turkestanica were noted.

Messrs. John Forbes (Hawick), Limited, arranged an outside group of Pentstemons, Phloxes and Delphiniums, each of a highly representative character and in much variety. Phloxes Border Beacon, Elizabeth Campbell, Mahdi and Rigstroom were all excellent. The group was of unusual brightness.

Messrs. W. and J. Brown, Peterborough, had a compact group of Eremuri, Ostrowskia magnifica, Delphiniums, Scabiosa caucasica, Gaillardia Lady Rolleston and Heucheras in variety.

Messrs. G. and A. Clark, Limited, Dover, contributed Argemone, Lilium Henryi, L. Browni leucanthemum,

Salvia bracteata, S. turkestanica and an extensive lot of the best single and double Delphiniums.

The Guildford Hardy Plant Nursery displayed Delphiniums Cleopatra (mauve blue) and Humboldtii (dark blue), with Pentstemons, Japanese Irises, Gaillardias, Campanulas and much else in season.

Mr. B. Ladhams, Southampton, had a goodly show of Gaillardias, Pinks, and Erigeron B. Ladhams. The Pinks were rather numerous and in good variety.

Mr. Frank Lilley, Guernsey, arranged a light and graceful table of early Gladioli, with Sparaxis pulcherrima and a few Irises. Of the Gladioli, insignis, King Edward (scarlet), Red Admiral, Queen Wilhelmina (soft pink), cardinalis and Princess Victoria were shown.

#### BEGONIAS.

As usual, Messrs. Blackmore and Langdon, Bath, set up a magnificent group of tuberous-rooted Begonias and Delphiniums. The former were represented in ideal form and condition, the better-known varieties being shown as finely as we have ever seen them. The better sorts were Mrs. J. Thornton (pure white), Mrs. Reginald Caulfield (deep rose), Lord Methuen (brilliant scarlet), Princess Victoria Louise (salmon pink), Chrystabel Sp. v (flesh pink), Grand Monarch (deep crimson), Goldfinch (a distinct yellow), Mrs. W. Cuthbertson (fullest pink) and Mrs. Peter Blair (white with a faint blush tinge). Basket Begonias were very conspicuous and striking, and being set up on stands in this handsome group their beauty was most pronounced. Coronation Cup.]

Messrs. T. S. Ware (1912), Limited, Feltham, again excelled with a very gorgeous table group of well-grown plants. The large and handsome blooms were freely disposed on plants in the pink of condition, and embraced all that is well worth growing in these attractive greenhouse plants. Double-flowered varieties were the only kind shown, and the more conspicuous examples were Mrs. Thomas Sopwith (salmon pink), Lady Jellicoe (light salmon), Hon. Mrs. Maurice Glyn (salmon orange), Gladys Valentine (rich salmon), Duchess of Abercorn (rosy scarlet), Lady Gladstone (yellow), Mrs. Hitchins (orange), Lady Ebury (a very lovely rose-coloured variety) and King George (a gorgeous salmon). Basket Begonias were also shown; the new Clorinda (rosy salmon) is a free-flowering beauty. This group was charmingly disposed, and well maintained the high place this firm have taken with this subject.

#### VIOLAS AND PANSIES.

Messrs. W. Artindale and Sons, Sheffield, had no fewer than seventy-two large sprays of Violas, twelve blooms in each spray, set up in attractive form amid a number of other hardy flowers. Notable varieties were Archie Grant (indigo blue), George Callum (striped on crimson ground), Mrs. Pasfield (bronze), Mrs. J. Mason (edged blue on primrose), Glencoe (bronze), Black Knight (velvety), Mrs. Robinson (rose pink), Gladys Finlay, A. J. Bastock, Master Stevenson and many others.

Messrs. Carter Page and Co., London Wall, E.C., fronted their group of Dahlias with a double row of pans of Violas in clean, fresh condition. Kathleen, Gladys Fincham, Admiral of the Blues, Margaret Wood, W. H. Woodgate, Mrs. Allsop, James Pilling, Winchmore Bedder, Kitty Bell, Harry Bamber and Mrs. Morrison were the best.

Messrs. John Forbes (Hawick), Limited, edged their group of hardy plants outside the large tent with a nice collection of Violas and Pansies. Of the former the better were James Pilling, Kitty Bell, The Mearns, Royal Sovereign, Primrose, Mrs. Chichester, Duchess of Sutherland, Moseley Perfection, Duchess of Fife, Mrs. T. W. R. Johnstone, Mrs. Davidson and Snowflake. Fancy Pansies were shown in considerable variety and beautifully fresh, and were very welcome.

#### FERNS.

A very handsome group of Ferns was exhibited by Messrs. H. B. May and Sons, Upper Edmonton, embracing an almost endless list of most beautiful subjects in good form and condition. Conspicuous examples were Nephrolepis Mayii, N. Marshallii compacta, N. Neubertii and the moss-like N. Willmottæ. N. muscosa was also very striking. Platycerium Walllichii, P. Veitchii, P. grande, Lastrea patens Mayii, Polypodium irioides pendulum grandiceps, P. glaucum crispum, Polystichum angulare foliosum, Adiantum Faulkneri, A. farleyense gloriosum, Pteris serrulata gracilis and a beautiful series of the Osmundas, besides many other beautiful forms, made a noteworthy group.

Ferns from Messrs. J. Hill and Son of Lower Edmonton were, as usual, a most fascinating feature of this excellent show. The variety seemed almost endless, and the display comprised most of the more attractive Ferns known to Fern-lovers. All the plants were beautifully fresh and in good health, and both large and small specimens were represented. A few of the more conspicuous plants were Dicksonia antarctica, Davallia polyantha, D. fijiensis robusta, Gleichenia Mendelii, G. Spelunca, Davallia Veitchii, D. fijiensis elegans, Adiantum ciliatum, A. sentum roseum, A. bessonianum, Polypodium crispum, P. mandanum, P. glaucum cristatum, Blechnum latifolium, Cheilanthes elegans, Asplenium Nidus-Avis and a glorious array of most beautiful subjects too numerous to mention.

\*\* We are commended to hold over until next week the remainder of the Holland House Show; also reports of the Royal Agricultural Society, Bourremouth, Southampton, and Norwich Shows.

#### CATALOGUES RECEIVED.

Messrs. W. Mager and Sons, Guernsey: Wholesale List of Bulbs.

Messrs. J. R. Pearson and Sons, Lowdham, Notts: Bulbs.

\*\* The Yearly Subscription to THE GARDEN is: Inland, 6s. 6d.; Foreign, 8s. 9d.

#### SITUATIONS VACANT.

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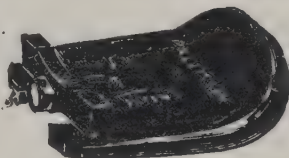


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ORCHARD AND WOODLAND

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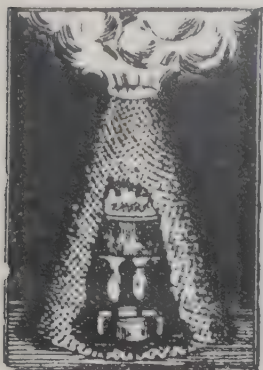
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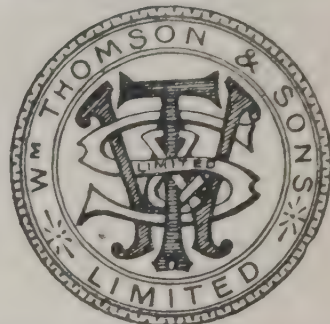
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Apart from its richness in new and little-known plants generally, the group of Sir Jeremiah Colman, Gatton Park, Surrey (gardener, Mr. J. Collier), deserved special attention as representative of what has been raised at Gatton and of what can be done in the best of our private establishments. There was a beautiful strain of *Odontioda Papilio gattonensis* (*Cochlioda noetzliana* × *Odontoglossum warnhamense*), some of which were most distinct in their chestnut red markings. The *Epidendrums* and *Sobralias*, too, were notably Gatton plants. Of course, other good things were not neglected. Place of honour was given to *Lælio-Cattleya canhamiana* alba (white sepals and deep purple lip) and *L.-C. Phoebe* (orange sepals and blood red lip); and there were many beautiful forms of *Odontioda*, *Oncidium*, *Cattleya* and *Lælio-Cattleya*. We owe a debt, too, to Sir Jeremiah for having shown his unrivalled collection of those little gems, *Eria*, *Pleurothallis*, *Sarcochilus*, *Platyclinis*, *Physisiphon*, &c., which the Orchid world would be poorer without, although the individual flowers will never be as large as dinner-plates, but prefer to remain perfection of detail in miniature.

Messrs. Mansell and Hatcher, Limited, Rawdon, Leeds, made one of the richest and largest exhibits in the show, and the good groundwork of moss allowed one to appreciate the merits of an individual plant which overcrowding so frequently does not. The only really fine batch of *Phalaenopsis* exhibited occupied the post of honour in the centre, reaching out its loose sprays over *Vanda teres*, *Cochlioda noetzliana*, some good *Miltonias* and *Odontoglossums*. At either end were banks of *Lælio-Cattleyas*, which were linked up with the centre by *Odontoglossums*. *Odontioda Sunbeam* in its tawny red shades was distinct and pleasing, and there were a number of specimen plants up and down the group.

The very rich collection of *Odontiodas* from Messrs. J. and A. McBean, Cooksbridge, Sussex, was the distinctive feature of the group. Crimson, scarlets and shades of orange, they showed a wonderful range of form and colour, and almost overbore the good things round them. *Cattleya Paula*, *Miltonia Queen Alexandra* and *Odontioda Breweri* were excellent. *Lælio-Cattleya Emmeline* was a good thing, and there were some fine forms of *Cattleya gigas* and *Brasso-Cattleya Veitchii*. Plants that we noticed here and not elsewhere were the pretty white *Dendrobiums Dearei* and *sanderiana*.

Messrs. Flory and Black, Slough, staged a group which was notable for its three fine banks of *Cattleyas* and *Lælio-Cattleyas* in a simple but telling arrangement. Many of the forms were particularly fine in their purity of colouring. The distinctive plants here were the *Disas*. A couple of good plants of *D. grandiflora* occupied places in the front line, and the masses of *D. Luna* right and left of the central bank of *Cattleyas* at once claimed attention. Their only fault was that they were a little too high up to be seen, but they were lovely pieces of colour, and are seldom seen so good.

#### HARDY TREES AND SHRUBS.

While the exhibits of herbaceous plants and flowers showed a marked increase, there was a regrettable falling off in the numbers of hardy tree and shrub exhibitors. With one exception the collections were grouped in the open around the tents facing the bandstand.

Mr. L. R. Russell, Richmond, exhibited the most varied collection. In one large group of very pleasing outline he showed the splendidly grown Tree Ivies for which his Isleworth nurseries are noted. Besides a great variation of leaf form, this display was particularly noteworthy on account of the rich golden and bright silver colour of very many varieties. In an adjoining group there was a wealth of rare and valuable flowering species. *Abelia floribunda*, *Cistus crispus*, the true *C. purpureus* (of brilliant rose purple colour), *Escallonia philippiana*, and the old-time favourite *Erythrina Crista-galli* are the names of only a few examples in this rich exhibit.

Japanese Maples of first-rate cultivation and in great variety were grouped the full length of the Orchid tent by Messrs. Fromow and Co., Chiswick. The addition of minor groups of *Aralia pentaphylla* variegata and *Vitis heterophylla* variegata were an interesting and effective addition.

The Donard Nursery Company, Newcastle, County Down, contributed a smaller exhibit, of which the chief interest was centred in the charming pot plants of such *Leptospermums* as *Nichollii*, *Chapmanii* and *Boscawenii*, which we also admired at the Chelsea Show. Other uncommon and interesting species included *Melaleuca squarrosa*, *Plagianthus Lyallii* and *Guevina avellana*.

Himalayan *Rhododendrons* (out of flower), *Lomatias*, *Leptospermums* and *Daphniphyllums* were the chief kinds in a small group by Mr. G. Reuthe, Keston.

A large topiary exhibit from Messrs. W. Cutbush and Sons, Highgate, and a smaller one from Messrs. J. Piper and Son, Bayswater, showed Box and Yew trees in many designs, illustrating skillful and patient training.

Under cover Messrs. George Paul and Son, Cheshunt, and Messrs. J. Cheal and Sons, Crawley, staged sprays of many hardy trees and shrubs. In the latter's collection *Ceanothuses*, *Hydrangeas* and a red double-flowered *Rhododendron*, R. Mme. J. Moser, were particularly attractive; while Messrs. Paul specialised in *Castanea chrysophylla* (in fruit), *Alnus glutinosa aurea*, *Pavia californica* and shrubby *Spireas*.

Japanese pigmy trees of apparently great age and in many cases associated with fascinating miniature gardens were shown by Messrs. Barr and Sons and the Yokohama Nursery Company.

#### FRUIT AND VEGETABLES.

W. W. Astor, Esq., Cliveden, Bucks (gardener, Mr. W. Camm), sent a magnificent contribution of Black Hamburgh Grapes and Lord Napier Nectarines. The many bunches of Grapes were all excellent, of Sloc-

black colour and large size; while the Nectarines were of equally desirable appearance.

Strawberries in many varieties and of most luscious appearance were shown in shallow baskets by Messrs. Laxton Brothers of Bedford. The fruits were, of course, all late varieties, and it was particularly noticeable that those of the most tempting appearance had a deal of Waterloo blood in them. The variety named is one of the best late sorts for medium and light soils, where the fruits become of quite large size and possess the characteristic dark purple colour which is so attractive. The varieties were *Utility*, *Latest* and *Givon's Late Prolific*. Of the scarlet-fleshed varieties, *Rival*, *The Bedford* and *Fillbasket* were also very good. Besides the many baskets of Strawberries, Messrs. Laxton displayed fruiting branches of Red, Black and White Currants, bearing bounteous crops of good-sized fruits.

Mr. L. Mortimer, Rowledge, Farnham, included a most imposing collection of Sutton's Ringleader Melon with his new Cucumber Mortimer's Rival and Tomato Tip Top. The last named is an exceedingly free cropper. The fruits are of bright red colour, smooth, and of the medium size which sells well and is economical to use.

Sir Daniel Gooch, Bart., Hylands, Chelmsford, also contributed an exceedingly good collection of seasonable vegetables. The Peas (*Peerless* and *Edwin Beckett*), Broad Beans (*Mammoth Longpod*), French Beans (*Canadian Wonder*), and Cauliflowers (*Sutton's Snowball*) were of first-class appearance.

Messrs. Barr and Sons, Covent Garden, had a most attractive collection of first-rate vegetables. Practically all possible sorts were on show. Early Snowball Cauliflower, Pen-y-byd and Table Dainty Marrows, Globe Artichokes, Early Horn, Long Surrey and New Intermediate Carrots, new Potatoes and Duke of Albany Peas were the chief vegetables; while of salad plants, Radishes, Lettuces, Tomatoes and Cucumbers were of equally high quality.

#### BOURNEMOUTH ROSE AND SWEET PEA SHOW.

THE third exhibition of Roses and Sweet Peas was held in the Winter Gardens Pavilion on Tuesday and Wednesday, June 29 and 30, and proved a splendid success. The summer show of Roses and Sweet Peas was initiated by the members of the Bournemouth Gardeners' Mutual Improvement Society, of which Mr. J. B. Stevenson, the able Superintendent of the Public Gardens, is hon. secretary. The first show was also a success in every way. The number of entries this year greatly exceeded those of others. W. Child Clark, Esq., Michelgrove House, Boscombe, Bournemouth, staged over seventy vases of Roses, splendidly grown specimens. Messrs. G. Watts and Sons, Limited, Palace Nurseries, Bournemouth, had a fine display of Roses and Perpetual-flowering Carnations. Mr. M. Prichard, Christchurch, filled a stage 59 feet long and 3 feet wide with a choice selection of herbaceous and alpine plants. Delphiniums were good, *Clematis recta* lovely, *Kniphofias*, *Potentillas*, *Campanulas*, *Sedums* and other rock plants in pots very charming. Mr. J. Stevenson, Wimborne, staged a fine lot of Sweet Peas, including three seedlings of great substance of petal and pleasing colours, crimson, cerise and mauve respectively.

For a display of Roses in Class 1, W. Child Clark, Esq., was first, and deservedly so, even though it was the only exhibit in this class. The plants are mainly grown under fir trees in Bournemouth, and reflect great credit on Mr. Clark and his head-gardener, Mr. J. Taylor.

Mr. J. Anderson, gardener to Percy Sugden, Esq., Wimborne, was first in the class for six vases of Roses, Hybrid Teas or Hybrid Perpetuals, distinct. Mr. Harvey Thomas, Joseph Hill, Rhea Reid and J. B. Clark were staged in good form.

The classes for Roses in vases were popular. Mr. W. Weaver won in the class for three vases, distinct, having Prince de Bulgarie, G. Nabonnand and Caroline Testout. Mr. W. J. Hayward was second, staging Mrs. Aaron Ward, Liberty and Marquise de Sinety.

Mr. W. Weaver was again the winner in another class for three vases, staging Hugh Dickson, Lady Ashtown and Frau Karl Druschki. Second, Mr. J. Sheldon.

In the majority of the classes there were nearly a dozen entries, the display being very fine.

The Sweet Peas were of the same high standard of quality as the Roses. Mr. A. E. Usher, gardener to Sir R. Baker, Bart., M.P., Ranstone House, Blandford, was awarded first prize in the class for a display of Sweet Peas on a table space 10 feet by 4 feet. This was the only exhibit in the class, and a very fine one.

The table decorations of Sweet Peas were charming. Miss A. M. Wilson, Glenfalloch; Mrs. Kilmister, Bournemouth; and Mr. W. Hodson won in the order named.

Mr. A. E. Usher had the best six vases of Sweet Peas, distinct, staging in grand condition *Elsie Herbert*, *Mark's Tey*, *Constance Hinton*, *Hercules*, *R. F. Felton* and *Hilda*, the latter really grand. Mr. W. Hodson was second, *Edith Taylor*, *Walter P. Wright* and *Lady Evelyn Eyre* being the best. Mr. W. Weaver was third.

Mr. Usher was first in the class for six bunches of Sweet Peas grown from seed supplied by Messrs. E. Webb and Sons, Wordsley, who gave the prizes.

#### NORWICH ROSE SHOW.

THE Norfolk and Norwich Horticultural Society were favoured with a very good entry for this show, in spite of the visions of pessimists. The grounds of Carrow House and Carrow Abbey were placed at the society's disposal, and over three thousand people attended.

In the open Rose classes the premier prizes were shared by the firms of Messrs. Frank Cant and Co., Messrs. B. R. Cant and Sons and Messrs. J. Burrell and Co. The amateur classes produced some fine blooms and some spirited contests. The Rev. J. A. L. Fellowes (Bunwell), Major

Astley (Plumstead), Mr. Campbell Steward (Norwich), Captain Francis (Stratton) and Miss Corbould Warren were the primary winners.

Sweet Peas did not make such a display as one expected in the competitive classes. The Daniels Cup, for twenty-four varieties, was secured by F. A. Bainbridge, Esq., Hethersett (gardener, Mr. F. Wilby), with a superb exhibit. Lord Cozens-Hardy (gardener, Mr. A. Woodhouse) also had fine blooms, and was a notable winner in other classes.

From the gardens of J. A. Christie, Esq., Framingham, near Norwich, came what might be well termed the tit-bits of the show, the new and rare flowering shrubs embodying four Philadelphuses and the pretty *Magnolia Watsonii*. The Irises, too, from this garden were very fine. Mr. W. Allan, the veteran of Gunton Park, again proved his prowess as a Carnation grower. Another notable exhibitor in the same class was G. E. White, Esq. There were, of course, classes for the humbler flowers, such as *Antirrhinums*, *Sweet Williams*, *Delphiniums* and the like, all of which were well contested.

Fruit showed a falling off in the Grapes, but the Melon classes brought out a good contest. Mr. W. Allan won the scarlet-fleshed Melon class with a variety of his own named Gunton Scarlet.

Messrs. Daniels Brothers, Limited, Royal Arcade and Town Close Nurseries, Norwich, made a most interesting and comprehensive exhibit arranged upon the floor of the large tent, included in which was a charming rock garden and Lily pond, the whole being evidence of their resources in every phase of gardening.

Messrs. Hobbies, Limited, devoted their energies to Sweet Peas, and these they showed well. Mr. George Herbert was at the stand, and one could see already evidences of his further skill as a raiser in the new things staged, viz., Mrs. Kate Hammond (a fine pink with cream base), Liège (a new heavily frilled pure white) and Rheims (a flaming fiery scarlet).

#### SOUTHAMPTON ROSE SHOW.

In the beautiful gardens of South Stoneham House, the residence of Ellen Lady Swaythling, a splendid Rose show was held on June 30. The Roses were remarkably fresh, and a conspicuous feature was their rich colouring. The exhibits of both trade and private growers were numerous, and marked by general high quality throughout. In the competitive classes Herbert E. Molyneux, Esq., chairman of the Council, Brantwood, Southampton, had some lovely exhibits of choice Roses; also Mr. G. Ellwood, gardener to W. H. Myers, Esq., Swanmore Park, Bishop's Waltham. The blooms in the open classes were very even in merit, Mr. Harry Richards, a local grower, staging well in the big class, in which Messrs. D. Prior and Sons, Colchester, won premier honours. As usual, the general arrangements for the comfort and convenience of exhibitors and visitors were perfect, under the guidance of the courteous hon. secretary, Mr. C. S. Fudge, and his Council.

There was good competition in the open class for forty-eight blooms, distinct. Messrs. D. Prior and Sons, Colchester, won premier position. The following were very fine specimens: Mildred Grant, Lady Ashtown, Melanie Soupert, Mrs. W. J. Grant, Bessie Brown, Dean Hole, Florence Pemberton, Duchess of Westminster, Lady Barham (grand), Mrs. George Norwood, Ethel Malcolm, White Maman Cochet, Avoca, Joseph Hill, Mrs. Edward Mawley, Caroline Testout, Maman Cochet, Richmond and Lyon Rose. Mr. George Prince, Oxford, was a close second. In this stand Mrs. G. Sawyer, Lyon Rose, St. Helena, Mrs. C. Hall, Leslie Holland, Mamie and Miss A. de Rothschild (the last named grand) were the best blooms.

In Class 2, for twelve varieties, three trusses of each, Mr. George Prince won. Edgar Burnett (grand), Mildred Grant (fresh and full), Ethel Malcolm, Mrs. F. Hobbs, Lady Ashtown and Leslie Holland were the best. The second prize went to Messrs. Jarman and Co. J. B. Clark, British Queen, Countess of Caledon and Lady Ashtown were fine blooms in this stand.

In Class 3, for twelve blooms, Teas or Noisettes, distinct, Mr. George Prince won first prize and the challenge bowl presented by the president and vice-presidents of the society. He had in splendid form Mrs. Campbell Hall, Maman Cochet, Souvenir d'un Ami, Nita Weldon, Mrs. F. Hobbs, Mrs. E. Mawley and Maréchal Niel (very good). Second, Messrs. D. Prior and Sons.

Mr. Hicks was first for six blooms, one variety, yellow or white, staging grand specimens of the new Hybrid Perpetual *Candeur Lyonnaise*, which also won the silver medal, and was selected as the premier bloom. Mr. Hicks also won in the class for twelve vases of garden Roses. Princess Mary, Mrs. Edward Alford, Goldfinch (Climbing Polyantha) and Rayon d'Or were beautiful. Second honours went to Mr. George Ellwood, who staged Cheshunt Scarlet, Liberty, Rubin and Mme. Abel Chatenay, all fresh and highly coloured.

Mrs. C. J. Flight, Shawford, Winchester, won first prize and the silver cup presented by J. J. Burnet, Esq., for a dinner table decoration of Roses. Mrs. E. Ladhams, Shirley, and Miss Taylor, Salisbury, were second and third respectively.

Mrs. C. J. Flight had the best vase of cut Roses, being followed by Mrs. E. Ladhams and Mrs. A. F. Tofield.

The first prize and silver cup were won by Daniel Seaton, Esq., for eighteen blooms, distinct. Florence Pemberton, Bessie Brown, Lady Ilchester, Mrs. J. H. Welch, A. K. Williams and Mildred Grant were his best blooms. Second, Mr. J. Barker, gardener to C. J. Flight, Esq.; third, Mr. A. Fry, gardener to R. C. W. Dixon, Esq.

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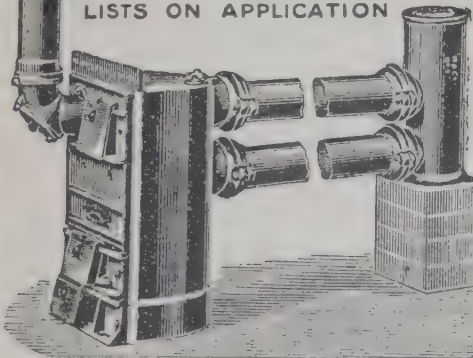
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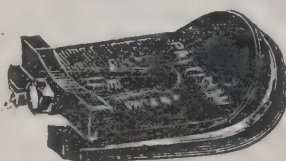


FIG. 1.

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FIG. 2.

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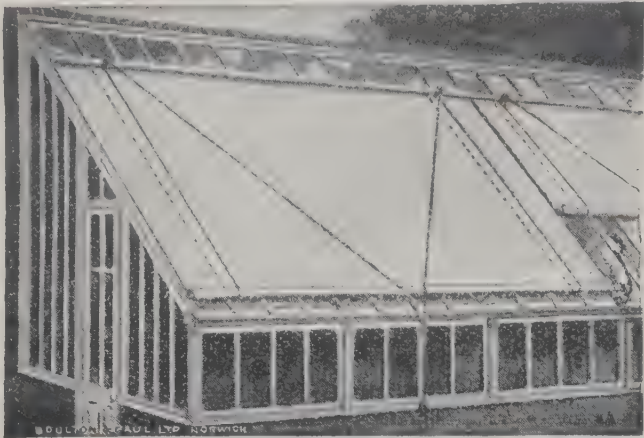
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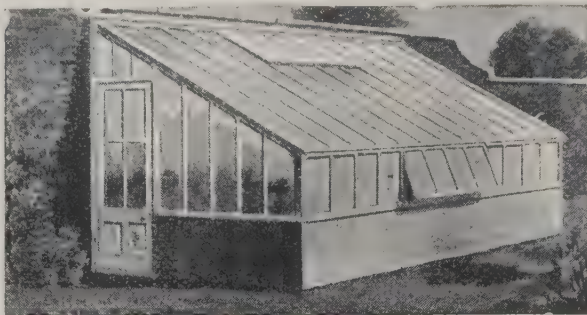
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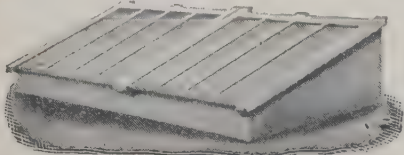
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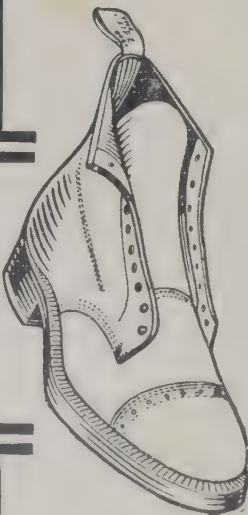
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**GARDENERS' BOOTS** are built to meet every requirement of Garden Work. No other boots give the same satisfactory service.

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Important to Gardeners and Fruit Growers

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The Most Successful Non-Poison Insecticide of the Day.

### Its Advantages are—

Certain Death to all Insect Pests. No possible injury to the most delicate Plant, Flower or Foliage. It is the Cheapest Insecticide known. One pint makes 10 to 12 gallons of spray. Kills Thrip, Black and Green Fly, whilst RED SPIDER, Mealy Bug, Scale can be thoroughly eradicated by using "NIQUAS" about the strength required for Fly.

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These Syringes are especially adapted for the "Niquas," and as a general Vaporising Syringe.

Prices - 8/- 10/- 14/-

The "Niquas" Syringe changes automatically from Direct to Underleaf Spraying by turning the Syringe.

To be had from the Trade generally.

Manufacturers—

**CORRY & CO., LTD.,** BONDED TOBACCO STORES & WAREHOUSES, SHAD THAMES, LONDON, S.E.



**Eastern Counties Class.**—Nine bunches, distinct: First, Major E. W. Denny, Falcstone Hall, Norwich, who had excellent vases of Knyvett Wilson (salmon pink), Mrs. Ballam (cream, edged pink), King Manoel, May Unwin (scarlet) and Rosabelle (cerise) as his best; second, Mr. A. W. Ralph, Kempston, Beds, whose finer vases were Margaret Atlee, Constance Hinton (white), Duchess of Portland (salmon pink), Maud Holmes (scarlet) and Clara Curtis (cream); third, Mr. H. Tyson, The Lodge, Bedford.

**Midland Counties Class.**—Nine bunches, distinct: First, Lord North, Wroxton Abbey, Banbury (gardener, Mr. E. R. Jones), who had Norvic (white), Royal Purple, Audrey Crier, Lady Evelyn Eyre (pink), Barbara (very good), New Marquis, Dorothy (heliotrope), Hercules and Mrs. Jessop (cerise pink); second, Mr. F. Carter, Thorpe Mandeville, near Banbury, whose Norvic, Barbara, Marvel, Mrs. Hardcastle Sykes (delicate blush pink) and R. F. Felton (mauve) were very good.

**Southern Counties Class.**—Nine bunches, distinct: First, Mr. McMurdie, Woburn Park, Weybridge (gardener, Mr. Basile), who staged fine vases of R. F. Felton, Elfrida Pearson, Don Alvar, Florence Wright Spencer, Maud Holmes, Royal Purple, Mrs. C. W. Broomhead, Rosabelle and King Manoel; second, Mr. F. W. Franks, Loampits, Tunbridge Wells, who had Dobbie's Frilled Pink, Barbara (orange), Don Alvar (mauve), Marvel (salmon), Mark's Tey, R. F. Felton, Dobbie's Orange, White Queen and Illuminator; third, Major Geoffrey Lubbock, Warminster.

#### DIVISION FOR SINGLE-HANDED GARDENERS.

**Bide Challenge Class.**—Twelve bunches, distinct: First, Mr. J. A. Bishop, Elmhurst, Windsor, whose best vases were R. F. Felton, Audrey Crier, King Manoel and Hercules; second, Mr. C. Hopton, The Cottage, Greenford, whose Elsie Herbert, R. F. Felton and Thomas Stevenson were good and strong.

**Perkin Challenge Class.**—For nine bunches, distinct, only one competitor, Mr. W. Fowler, Irvington, Mill Hill, N.W., came forward, his lot, which took the prize, containing Agricola, Hercules (pink), Queen of Norway (heliotrope), Elsie Herbert, John Ingman and Nora Unwin, among others.

**Breadmore Challenge Class.**—For six bunches, distinct, the first prize went to Mr. W. Phillips, Astley, near Shrewsbury, whose best were Elfrida Pearson (pink), Sunproof Crimson, Audrey Crier (rose pink), Mark's Tey and May Campbell (cream, splashed rose); second, Mr. Robert Baker, Rookfield Avenue, Muswell Hill.

For three bunches of Sweet Peas Mr. W. Phillips was again first, his set being Dobbie's Cream, Hercules and New Marquis. These were of excellent quality. Second, Mr. Osborne Abbott, Ardene, Lower Bourne, Surrey, who had Dobbie's Cream, Duchess of Portland and Royal Purple.

#### SPECIAL DIVISION FOR AMATEURS.

**Hawthorn Challenge Cup.**—Twelve bunches of Sweet Peas, distinct: First, Mr. T. Jones, Bryn Penylan, Ruabon, with an admirable lot of flowers. Melba (orange), Lavender George Herbert, Agricola (pink), Rosabelle (cerise), Mrs. Damerum (cream), King Manoel (maroon), Elsie Herbert (white, suffused pink), Sunproof Crimson and New Marquis were the best. Second, Mr. E. Daniels, Greenford Green, Harrow, who had very good Illuminator (rose), Duchess of Portland, King White and Rosabelle; third, Mr. G. M. Morewood, Noeldene, Brentford.

Six bunches, distinct: First, Mr. L. Webb, Welshpool, who set up Mark's Tey, Elsie Herbert, Constance Hinton, (white) and Sultan (maroon) very good; second, Mr. W. G. Abney, Hadlow Road, Tonbridge, who staged James Box (orange), Elsie Herbert, Sunproof Crimson and May Unwin very well.

For three bunches, distinct, Mr. L. Webb was again first, staging Mrs. Fred Kelley (white, splashed mauve), Hercules and King Manoel; second, Mr. W. G. Abney, Tonbridge. Five competitors entered.

#### SPECIAL DIVISION FOR SMALL GROWERS.

For twelve bunches, distinct, the first prize, a challenge cup value five guineas, was awarded to Mr. Claude R. Jaggs, Hertford Heath, who staged Mark's Tey, Mrs. Cuthbertson, Constance Hinton, Robert Sydenham, Orchid (fine mauve), Dobbie's Picotee, Rosabelle, Royal Purple and King Manoel, among others; second, Mr. E. Willis, Swindon, who had excellent vases of Illuminator, Bertrand Deal (heliotrope), Margaret Atlee, Blue Picotee, Mrs. Cuthbertson and King Manoel; third, Mr. Pryor, Preston, near Hitchin. Five competed.

**Walter Voss Challenge Cup.**—For six bunches, distinct, there were ten collections staged, the first prize going to Mr. E. Willis, Swindon, for an admirable set comprising Elfrida Pearson, Constance Hinton (white), Sunproof Crimson, Rosabelle, Mark's Tey and King Manoel; second, Mr. W. G. James, Kempston Hoo, Beds, who had Mrs. Cuthbertson, Lavender George Herbert, King Manoel, Rosabelle, Elfrida Pearson and Maud Holmes; third, Mr. Claude R. Jaggs, Hertford.

Three bunches, distinct, from varieties put into commerce in the autumn, 1914, or spring, 1915: First, Mr. W. G. James, Kempston Hoo, Beds, who had Robert Sydenham, Marvel (salmon pink) and Royal Purple; second, Mr. C. R. Jaggs, Hertford, who staged the same varieties; third, Mr. J. B. Robinson, Great Barford, Sandy.

For six distinct bunches Mr. W. G. James, Kempston Hoo, was again in the leading place, having Nora Unwin, Dorothy (ilac), May Campbell, May Unwin (orange), Dobbie's Cream and King Mauve; second, Mr. Claude R. Jaggs, his best being Mrs. C. W. Breadmore, E. Cowdy (scarlet) and Edith Taylor (rose pink).

Three bunches, distinct: First, Mr. McKerrill, Ordon Cottage, Ayrshire. The varieties were not named. Second, Mr. J. Randall, Leamington Spa; third, Mr. J. B. Robinson, Sandy. There were nine competing.

For two bunches, distinct, nine competitors again entered, the first prize going to Mr. Allen, Formby, near Liverpool, whose varieties were Orange Perfection and Dorothy; second, Mr. J. B. Robinson, Sandy, who staged

R. F. Felton and Illuminator; third, Trooper T. W. Prince (Royal Horse Guards), Englefield Green.

One bunch of Sweet Peas, mixed: First, Mr. J. B. Robinson; second, Mr. J. Randall; third, Mr. Harry F. Claydon.

**Special Class.**—For the most fragrant bunch of Sweet Peas a large number entered, the prize being eventually awarded to Mr. H. S. Bartlett, Shooter's Hill, for Mother o' Pearl, a hooded variety of grey mauve tone.

#### LADIES ONLY.

**Table Class.**—Seven competed in this interesting class, Mrs. Alex. Robinson, Carshalton, being first, arranging pink and cerise shades of Sweet Peas with light touches of Asparagus, Selaginella caesia and frail sprays of Muehlenbeckia complexa; second, Mrs. A. D. Ruff, Sharnbrook, Beds, with rose, salmon and scarlet Sweet Peas and Asparagus. This was arranged too low, we thought. Third, Mrs. A. R. Bide, Farnham, who had Sweet Pea Mrs. H. Wormald (salmon and cream) with light sprays of Asparagus, Maidenhair Fern, Ampelopsis and Muehlenbeckia varians.

For an epergne of Sweet Peas, Mrs. A. G. Gentle, Little Gaddesden, was first, having cream-coloured Sweet Peas with Asparagus Fern and light Grasses; second, Mrs. A. R. Bide, who used red and cream Sweet Peas with light foliage and Grasses; third, Mrs. A. D. Ruff.

For a vase of mixed Sweet Peas, Mrs. M. Holloway, Shrewsbury, was first; second, Mrs. Arnold Hitchcock, Brook, Tiptree; third, Mrs. A. G. Gentle.

#### NON-COMPETITIVE EXHIBITS.

Messrs. Dobbie and Co., Edinburgh, might fairly be accredited with having in this section the finest Sweet Peas in the show, a group at once remarkable for high quality and artistic staging. In all there were about three dozen varieties in vases and stands, the whole constituting quite a feast of the best. Among the more imposing vases were those of Jean Ireland (pink and cream), Lavender George Herbert, Elfrida Pearson (pink), Duchess of Portland (cream and pink), Illuminator (rosy scarlet), Dobbie's Cream, Dobbie's Orange, King White, Miss Burnie (white, blush pink), Royal Purple, Margaret Atlee and New Marquis—a dozen that should satisfy any lover of these flowers. Large gold medal.

Mr. H. J. Damerum, Hayling Island, Hants, showed a small group, in which Lord Kitchener (scarlet), Alfred Watkins (mauve), Rosabelle (cerise), Mrs. H. J. Damerum (cream-coloured novelty for 1915) and Duchess of Portland (pink) were among the best. Silver medal.

Messrs. Bide and Sons, Farnham, arranged a very charming exhibit of Sweet Peas in tall vases on a white ground with black velvet background. The flowers, too, were of high quality and in considerable variety. Some good ones were Prince Edward of Wales (salmon pink), Bide's Cream, R. F. Felton (lavender), Mark's Tey, Mrs. Stewart Champion (pink and cream), Phyllis Bide (rich orange), Ruth Bide (light scarlet), Phyllis (scarlet and white) and Queen Mary. Gold medal.

Messrs. John K. King and Sons, Coggeshall, arranged many vases of flowers of the highest quality, in this respect equal to any in the show. Loyalty (splashed blue), Rosabelle, Empire (white), Mrs. C. W. Breadmore (pink and cream), Blue Picotee, Lavender George Herbert, Edith Taylor, Princess Mary, Margaret Atlee, Coral Gem (buff and pink) and May Campbell (scarlet and cream) were all very fine. Large silver-gilt Flora medal.

Robert Sydenham, Limited, Birmingham, showed excellent vases of flowers, of which Orion, Princess Mary, Lillian (pink), Clara Curtis (cream), Constance Acomb (mauve and cream, a remarkably distinct variety), Lady Evelyn Eyre (pale pink) and Millie Maslin Spencer were very good. Silver medal.

Messrs. E. W. King and Co., Coggeshall, Essex, had a rather highly built arrangement against a background of velvet, fine tall columns being arranged in the background with intervening vases in triplicate. Morning Mist, Lillian (pink and cream), Hercules, Anglian Cream, Anglian White, Frilled Cream, Anglian Fairy (cream ground), Mrs. Cuthbertson and Robert Sydenham were excellent. Gold medal.

Messrs. Hobbies, Limited, Dereham, exhibited their flowers in tall vases, a few of the more notable being Hobbies' Cream, Mrs. Cuthbertson, Maud Holmes (crimson), King Alfred (scarlet), Lavender George Herbert, Hercules, Mrs. Hugh Wormald (distinct, salmon and cream) and Rheims (scarlet). Silver-gilt medal.

Messrs. Alex. Dickson and Sons, Belfast, staged a surprisingly good lot of flowers and arranged them artistically. Fiery Cross (a grand scarlet), Mrs. Cuthbertson, Wedgwood, Hercules, The President (rich scarlet), Mrs. C. W. Breadmore, Elsie Herbert, Lavender George Herbert, Robert Sydenham (orange), R. F. Felton (lavender), Hawthorn (cream), Orchid (the best rosy mauve), Blue Picotee and King White were the best in a handsome lot. Gold medal.

Mr. James Box, Hayward's Heath, had an excellent collection, though the flowers had apparently suffered from heavy storms. Scarlet Monarch, R. F. Felton, Margaret Atlee, King White, Mauve Beauty, Edith Taylor, Dobbie's Cream and Hercules were well represented. Silver medal.

Messrs. Jarman and Co., Chard, also showed a goodly assortment. Hercules, R. F. Felton, King Manoel, Mrs. Cuthbertson, Mrs. Townsend (mauve and white), Lavender, Melba and Charles Foster were among the notable varieties. Silver-gilt medal.

Messrs. G. Stark and Son, Great Ryburgh, Norfolk, staged quite a modest collection of Sweet Peas in small vases.

Mr. J. Stevenson, Wimborne, Hants, staged an excellent lot of flowers in imposing vases, his best being Victory (scarlet), Money-maker (white), Margaret Atlee, Scarlet Emperor, Warrior (maroon), Mrs. Cuthbertson, Royal Purple (very distinct), Blue Picotee and Mrs. Hugh Wormald. Silver-gilt medal.

Mr. Robert Bolton, Warton, Carnforth, had a glorious exhibit, equalling the best in the show and superbly

arranged. Rowena (cream and rose, very lovely), R. F. Felton, Mrs. E. Wright (white ground, washed and edged blue, a most exquisite novelty), Mrs. Hardcastle Sykes, Thomas Stevenson, Ivory King (buff cream), Surprise (salmon novelty), Don Alvar (mauve), Bolton's Orange and King Alfred were superb. Large gold medal.

#### AWARDS OF MERIT.

Tea Rose, buff and deep cream.  
Margaret Fife, heliotrope with blue wings. Both of these came from Mr. A. Malcolm, Duns.  
Victory, mauve. From Mr. R. Bolton.  
Dora, scarlet and cream. From Messrs. Dobbie and Co.

*The Bournemouth Show and Southampton Rose Show.*—We regret that the reports of these shows which appeared in our last issue had, at the last moment, to be considerably curtailed. This was so on account of limited space, and was not the fault of our local representative.

## OBITUARY.

### ALEXANDER DONALD MACKENZIE.

WE have to record the death, on July 15, at his Edinburgh residence, 14, Greenhill Park, of Mr. Alexander Donald Mackenzie, head of the well-known firm of Messrs. Mackenzie and Moncur, horticultural builders and heating engineers. Mr. Mackenzie had attained the ripe age of seventy-nine, despite a strenuous business life, in which he never spared himself, and a useful public career for a number of years as a member of Edinburgh Town Council. Mr. Mackenzie was a native of Appin, Argyllshire, and came to Edinburgh about 1856. In conjunction with Mr. Moncur, a fellow workman, Mr. Mackenzie began business as a horticultural builder, and by their energy, ability and the excellence of their workmanship the firm became one of the leading concerns of its kind in the world. It may be said that the work of the firm is known all over the three kingdoms and in other parts of the world, and that some of the finest horticultural structures, including those in the Royal Gardens, are monuments of the skill of Mr. Mackenzie and his partners. In his career as a Town Councillor, Mr. Mackenzie proved of the utmost value to the City of Edinburgh. For fourteen years he served the community on the Town Council, carrying into his public work the spirit of thoroughness which marked his conduct of his private business. He was a magistrate for the term of three years, served as a member of the Dean of Guild Court, the Water Trust, the Leith Dock Commission and other municipal affairs. As the first convener of the Electric Light Committee he did incalculable service to the city, and it is universally recognised that his work in that capacity is mainly responsible for the high success attained in the introduction and working of the electric lighting of Edinburgh. He was a *persona grata* with the late King Edward, and many of the nobility and others in high position held him in high regard. Mrs. Mackenzie, by whom he is survived, and the three sons and three daughters of his family will, we are assured, have the hearty sympathy of our readers.

\*\* The Yearly Subscription to THE GARDEN is: Inland, 6s. 6d.; Foreign, 8s. 9d.

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**WANTED**, a thoroughly capable useful Gardener; under man kept. Wages £1 2s and cottage—Mrs. Scott, "The Teak House," Branksome, Bournemouth.



AWARDED DIPLOMA AND MEDAL AT THE ROYAL INTERNATIONAL HORTICULTURAL EXHIBITION-1912-

THE MOST PERFECT FERTILIZER FOR

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(PATENTED)

THE ONLY RELIABLE AND COMPLETE SUBSTITUTE FOR STABLE MANURE

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SCIENTIFICALLY AND CHEMICALLY PREPARED

in the form of a leaf-mould, ready for use at any time, in the same way, and for all purposes that stable manure is put. Goes further (1 cwt. equalling 15 cwts.), gives better results, is clean to handle, sweet smelling, and free from weeds, worms, etc.

Report of Royal Horticultural Society. "Your Patented Hop Manure has been used in the Society's Gardens at Wisley, and I am pleased to report that it has proved excellent for the flower borders, fruit and vegetables grown both under glass and out in the open air."

(Signed) W. WILKS, Secretary.

A beautiful Free Booklet giving full particulars and testimonials, also valuable cultural instructions, sent on receipt of postcard.

BEWARE OF IMITATIONS: GENUINE ONLY IN OUR MARKED BAGS, CONTAINING GUARANTEED ANALYSIS.

Sold in Bags, 28 lbs., 2/3; 56 lbs., 3/6; 1 cwt., 6/-; 5 cwts., 28/9; 10 cwts., 55/-; we paying carriage to any station in England and Wales, including Isle of Wight, or by carrier in London district (also, in not less than 1 cwt. lots, by London Boat to Scotland and Ireland). Through Nurserymen, Seedsmen and Stores, or direct from the Manufacturers and Patentees,

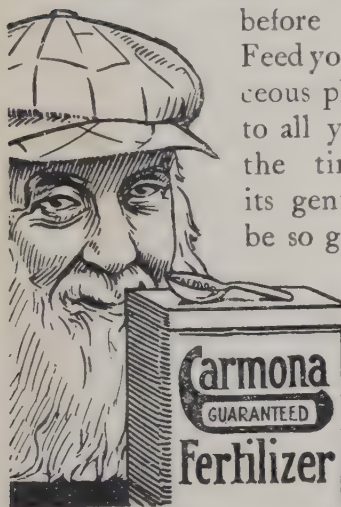
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Also **WAKELEY'S GROUND GARDEN LIME**, 2/- bushel bag, carriage paid 25 miles, or 1/6 carriage forward.

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The maximum yield of flowers, vegetables and fruits attend the feeding of plants with Carmona. Prepare your seed-beds with it. Dig it into the soil

before sowing or planting. Feed your rose trees and herbaceous plants with it. Give it to all your garden, and when the time comes to gather its genuine produce you will be so glad.



All Seedsmen sell it in tins, 6d., 1/-, 2/6. Bags, 14lbs., 4/6; 28lbs., 7/6; 56lbs., 12/6; 112lbs., 20/-

**ROBINSON BROTHERS, Ltd., WEST BROMWICH.**

**TENNIS COURT BORDER NETS.** good colour, especially prepared, with strong line attached to net at top and bottom; easy to erect or take away; will not rot, can be left out in all weathers; 25 yds. by 2 yds., 6/6; by 3 yds., 7/6; by 4 yds., 9/6; any size made. Standards for same, 10ft. high, 1/- each. Garden Netting, 30 sq. yds. for 1/-. Orders over 5/- carriage paid. List of Fancy Tents free. Write for FLAG List.—H. J. GASSON, Net Works, Rye.

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FIG. 1.

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RUBBER SOLES STRONGLY RECOMMENDED.

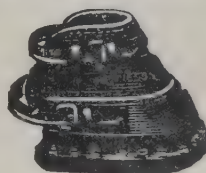


FIG. 2.

Illustrated Price Lists from the Makers—

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The BEST and Cheapest.

State quantity of each size required and have "carriage paid" quotation ("carriage" frequently amounts to half value of goods), or write for Price List, free.

SPECIAL POTS of all descriptions. Bulb Bowls and Fern Pans from 2d. each.

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**BEST GARDEN NETS, 50 yds. by 4 yds., 25 by 8 yds., 8/- piece; approval before payment. Special square nets bound with cords, guaranteed cover exact measurements; stout 1/2 in. mesh, 2d. sq. yd.; 1 in. medium 1 1/2 d. sq. yd.; any size to order. List, samples, free; all carriage paid.—W. OLIVER ALLEN, Garden Net Works, Porthleven, Cornwall. Goods sent passenger train receipt of order.**

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Kills all Greenhouse Insects without injury to plants in one application.

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No. 1 size Tin—1 pint	40,000	15/-
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FUMIGATING LAMPS, 1/- each, for 5,000 cubic feet.

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# THE GARDEN

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ILLUSTRATED JOURNAL FOR GARDEN  
ORCHARD AND WOODLAND

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SATURDAY, AUGUST 7, 1915.

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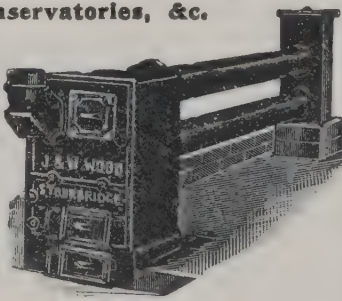
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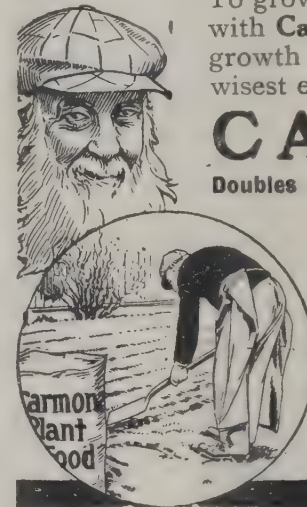
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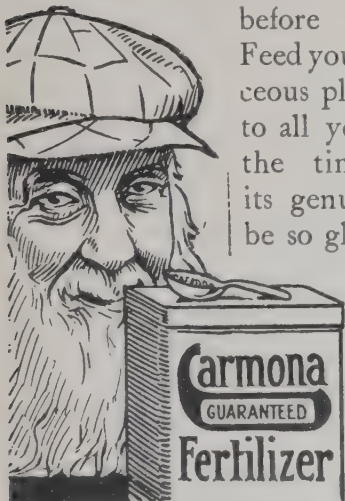
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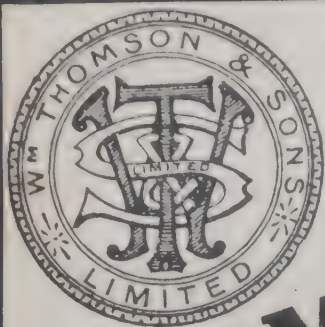
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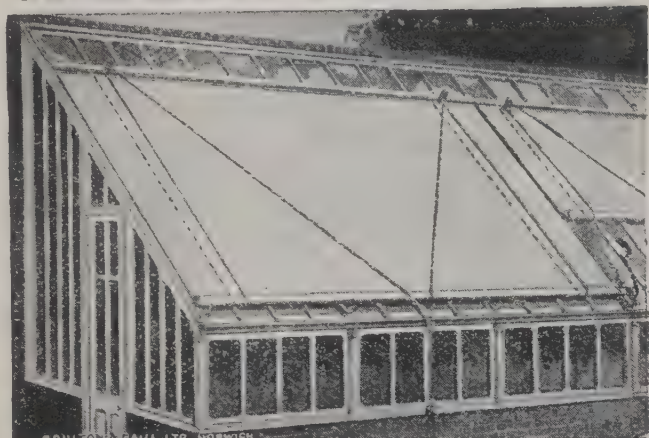
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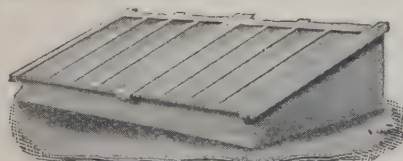
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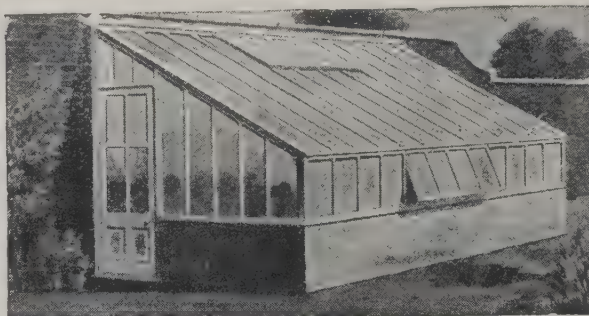
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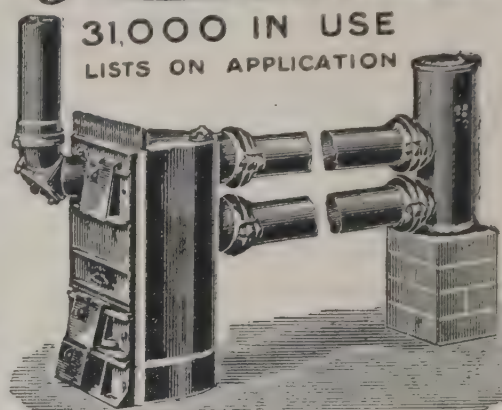


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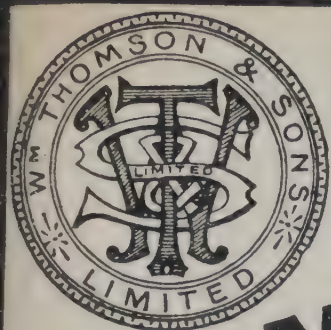
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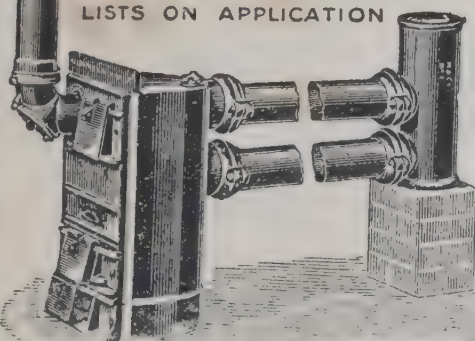
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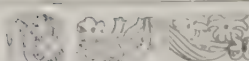
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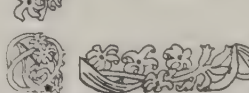
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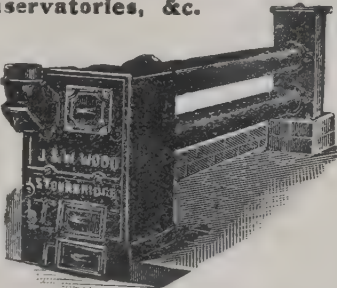
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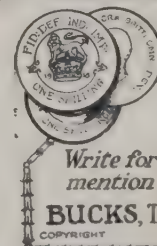
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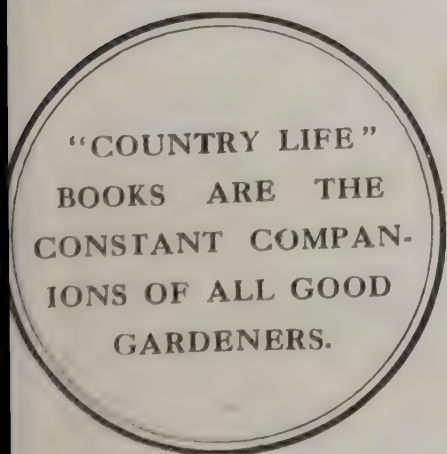
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## FRUIT AND VEGETABLE COMMITTEE.

Present: J. Cheal, Esq. (chairman), and Messrs. W. Bates, George Woodward, Edwin Beckett, J. Basham, A. Grubb, H. J. Wright, A. Bullock, E. A. Bunyard, G. Udale, J. Harrison, H. Somers Rivers, Owen Thomas and A. H. Pearson.

Messrs. Dobbie and Co., Edinburgh, staged a superb lot of vegetables, a representative gathering which for quality and excellent staging could hardly be excelled. In a collection complete in every detail, and of a highly representative character throughout, it is not easy to pick out single dishes, Onions, Cauliflowers, Potatoes, Beans and Peas being magnificent. A gold medal was awarded.

Messrs. Sutton and Sons, Reading, also received a gold medal for a magnificent and representative vegetable exhibit, ideally staged and representing the highest possible culture. Onions were superb; Celery, Leeks, Peas and Brussels Sprouts have never been seen finer, the whole constituting a picture of rare beauty.

Messrs. Dickson and Robinson, Manchester, had a superb lot of Premier Onion, some five dozen magnificent bulbs being staged, for which a silver-gilt Knightian medal was awarded.

From the Society's Gardens at Wisley came a collection of fruit, chiefly Pears and Grapes. Of the latter, some twenty-one bunches were shown, of large size and in good condition.

Messrs. Bunyard and Co., Maidstone, exhibited Grapes and Figs in pots, the former including Black Hamburg and Foster's Seedling, in each instance loaded with fruit.

Lady Nunburnholme, Warter Priory, York, showed superb dishes of Apples, Cox's Orange Pippin, Emperor Alexander, Rival, Peasgood's Nonsuch and Gascoigne's Scarlet Seedling.

## COMPETITIVE VEGETABLE CLASSES.

The Hon. Vicary Gibbs, Aldenham House, Elstree (gardener, Mr. E. Beckett), secured the first prize in Class 1 for twelve kinds of vegetables. It was a splendid collection and included Cauliflower Autumn Mammoth, Onion Ailsa Craig, Tomato Perfection, Brussels Sprouts Dwarf Gem, and Potato Windsor Castle. Mr. Thomas Jones, Ruabon, was second; his Onions, Leeks and Carrots were very fine, but lacked arrangement. Third, Sir Daniel Gooch, Bart., Chelmsford (gardener, Mr. W. Heath).

Competition in Class 2, for nine kinds, was very keen. Mr. G. Ellwood, gardener to Mr. W. H. Myers, Bishop's Waltham, was a good first, showing Onion The Sutton, Pea The Gladstone, and Tomato Best of All in first-rate condition. Second, Lord North, Wroxton Abbey, Banbury (gardener, Mr. E. R. Janes), with an almost equally fine collection. Third, Colonel Knox, Alton (gardener, Mr. W. West).

Mr. Beckett was first for salads; his Batavian Endive and Lettuce Ideal looked very tempting. He was also first for a collection of Onions, showing Record, Crimson Globe and Silver Globe in wonderfully good condition. He was again first for little-grown vegetables, such as Aubergines, Scorzonera, Celeriac, Kohl Rabi and Salsify.

For a collection of Potatoes, Mr. F. L. Pike, King's Langley, was first with Sands' Factor, King Edward, Erin's Queen and Duchess of Cornwall, all shown to perfection.

In Class 8, for salads, [Mr. E. R. James, gardener to Lord North, Wroxton Abbey, Banbury, was first. Radishes Forcing White Olive, Tomatoes A 1, and Cucumber Delicacy, looked too tempting for words.

## ORCHID COMMITTEE.

Present: J. Gurney Fowler, Esq. (chairman), Sir Harry J. Veitch, Sir Jeremiah Colman, and Messrs. James O'Brien, W. Bolton, Gurney Wilson, Stuart H. Low, J. Wilson Potter, Frederick J. Hanbury, F. Sander, R. G. Thwaites, T. Armstrong, R. A. Rolfe, J. Charlesworth, J. Cypher, W. H. Hatcher and J. E. Shill.

Messrs. Sander and Sons, St. Albans, displayed Cattleyas, Lælio-Cattleyas, Rhynchostylis retusa, with Cypripediums and Odontoglossum grande.

Messrs. J. Cypher and Sons, Cheltenham, had nice examples of Oncidium varicosum, Cattleya Mantinii nobilior, with Vanda cærulea and Odontoglossums.

Messrs. Stuart Low and Co., Bush Hill Park, had a lovely lot of Vanda cærulea, Sophro-Lælia heatonense, Houlletia brockenhurstiana and others.

Dr. Miquel Lacroze staged a glorious lot of Odontoglossum grande, making a fine display.

Messrs. Charlesworth, Hayward's Heath, contributed Odontoglossums, Odontiodas, Cattleyas and others in choice variety.

Messrs. J. and A. McBean, Cooksbridge, had a lovely plant of Dendrobium Dearei, Vanda sanderiana and Cymbidium erythrostylum, among many others.

## ILKESTON AND DISTRICT CHRYSANTHEMUM SOCIETY.

The annual exhibition of the Ilkeston and District Chrysanthemum Society, held on Saturday, September 25, constituted a record in the quality and general excellence of the exhibits, and the judges (Messrs. J. Wood, Derby, and W. D. Parkin, Nottingham) had a most difficult task assigned them to place the winners. Especially was this the case in the cup class of three blooms, three varieties, in which it took a long time to decide between the exhibits of Mr. J. Sisson and Mr. W. Trueman. In the end the award was made to the former, whose trio contained the champion bloom, William Turner, which secured a silver medal. Mr. W. Trueman, who was placed second, is a young member of the society, and he also succeeded in winning the novice class premier award with three blooms; was second in the class for a decorated vase; and was awarded the prize, a silver medal, for the best exhibit in the show other than the cup class.

Mr. F. Pegg, a well-known exhibitor, was awarded first and special for the best display of Chrysanthemums occupying a certain space, and he divided with Mr. J. Richards the first, second and special awards for the best twelve blooms. Mr. C. H. Pearson, secretary of the society, secured first and special in the one vase, one variety class, and first in the four trusses (non-disbudded) class. Mr. J. Foulds was first in the class for nine sprays and the specimen plant class.

## WARGRAVE AND DISTRICT GARDENERS' ASSOCIATION.

THE first meeting of the winter session took place on Wednesday evening, September 8, but the number of members present was rather smaller than usual. Mr. T. Batchelor showed some fine Ailsa Craig Onions, for which he was awarded a cultural certificate by the judges. Two new members were elected. The subject for the evening's consideration was "Strawberry Culture," introduced by Mr. J. Stephens of Culham Court Gardens in a very practical manner. He dealt with outdoor and indoor cultivation, referring to the soil and its cultivation, planting, netting, gathering, making new beds, insect and other enemies, potting, temperatures, and feeding. A good discussion followed, in which most of those present joined, and a vote of thanks was accorded Mr. Stephens at the close.

## NATIONAL CHRYSANTHEMUM SOCIETY.

ON Monday, the 20th ult., there was a meeting of the executive committee of this society at Carr's Restaurant, Strand, Mr. T. Bevan in the chair. The grant of a large silver medal was made to the Stoke Newington Chrysanthemum Society for competition at their forthcoming show. It was resolved that a letter of sympathy be sent to Mr. W. Wells, sen., congratulating him upon his recovery after his operation, and expressing appreciation of the services he had rendered to the society and to the Chrysanthemum world in general. The Cape Town Horticultural Society was admitted in affiliation. The interim financial statement showed a substantial balance in hand, notwithstanding the adverse circumstances of the past year. It was decided that no annual dinner be held this year. Arrangements were then made as to the series of educational meetings the National Chrysanthemum Society has inaugurated for the season of 1915. They are as follow: October 4.—Lecture by Mr. C. Harman Payne, hon. foreign corresponding secretary of the society, entitled "A Chat about the Golden Flower: Its Poetical, Mythical and Romantic Associations." Illustrated by lantern views. Chairman, Mr. Thomas Bevan. November 3.—Lecture by Dr. Frederick Keeble (director, Royal Horticultural Society's Gardens), entitled "The Scientific Aspects of Plant Breeding: with Special Reference to Chrysanthemums." Illustrated by lantern views. Chairman, Mr. John McKechar. December 8.—Lecture by Mr. P. A. Cragg, entitled "How to Raise Seedling Chrysanthemums." Chairman, Mr. D. B. Crane. These lectures will be delivered in the Dickens Room at Carr's Restaurant, 264, Strand, W.C., at 7 p.m. Tickets for the grand autumn show on November 11 and 12 at the Horticultural Hall, Vincent Square, Westminster, London, S.W., will be sold in advance, and a special discount of 25 per cent. will be allowed to those members who will undertake the disposal of them in quantities. The election of five new members brought the meeting to a close.

The first meeting of the floral committee of the present season was held at Essex Hall, Essex Street, Strand, W.C. on the same date. The first business of the meeting was to elect a chairman, and Mr. D. B. Crane was re-elected for the fourteenth consecutive year. There were not many novelties, but those submitted for the adjudication of the committee were very good, and the following received recognition:

*Candida*.—This is a large, pure white flower, of beautifully even form, having grooved florets that recurve in an extremely even manner, building a flower about 5 inches to 6 inches across. It is an ideal market variety, and will be largely grown for that purpose. It is pure white, and is suitable for cultivation in disbudded form. The flowers are borne on stiff, erect footstalks, and as such are highly decorative. First-class certificate. Shown by Messrs. Lowe and Shawyer, Uxbridge.

*Bronze Normandie*.—Those who know the beauty of the parent variety will appreciate this beautiful sport, which may be described as a lovely golden fawn, but which was described officially as light golden bronze. Like the parent variety it is free flowering and robust, and the blossoms are borne in profusion and are of beautifully even form. This is a distinct acquisition for the hardy border as well as for market purposes. First-class certificate. Shown by Messrs. Wells and Co., Limited, Merstham, Surrey.

*Golden Polly*.—This is a beautiful rich golden yellow sport from the well-known border sort, Polly. The committee were not satisfied with the variety as shown, and for this purpose they requested that they might see the variety again. The parent is such a well-known outdoor border sort that the sport should be welcomed by all who want a really good golden yellow variety.

**War Horticultural Relief Fund.**—The Lady Mayoress of Colchester has forwarded a cheque for £53 12s. 11d. for the War Horticultural Relief Fund, to be ear-marked for Serbia. This sum is 25 per cent. of the collection made on the Colchester Serbian Flag Day and at the Colchester Rose and Horticultural Society's Show on September 8. This is a very practical and suitable way of supporting this Fund.

**Honour for a French Gardener.**—Louis Fauconnier, a gardener in the employment of Messrs. Vilmorin-Andrieux and Co. of Paris, has been awarded the Medaille Militaire for an exceptional act of bravery. Many of the employés of the firm are at the Front and have rendered a good account of themselves. The son of M. F. Blot, the director of the firm, who is not unknown here in England, has had his son wounded at Souchez.

**National Chrysanthemum Society.**—We are requested to remind our readers that the series of educational meetings organised by this society will be opened on Monday evening next, the 4th inst., when a lecture will be given by Mr. C. Harman Payne, entitled "A Chat about the Golden Flower: Its Poetical, Mythical and Romantic Associations," illustrated by lantern views. Mr. Thomas Bevan will preside, and the meeting will be held in the Dickens Room, Carr's Restaurant, Strand, at 7 p.m.

**United Horticultural Benefit and Provident Society.**—The monthly committee meeting of this society was held at the Royal Horticultural Society's Hall on Monday, September 13, Mr. C. H. Curtis presiding. One new member was elected. Two members were allowed to withdraw double their amount of interest, viz., £4 4s. and £2 3s. 8d. respectively. The amounts of £10 18s. 2d. and £1 18s. 7d. were passed for payment to the nominees of two deceased members. The sick pay for the month on the ordinary side amounted to £45 9s., and on the State section to £22 9s. 10d., and maternity benefits to £10 10s. An important proposed new rule respecting members serving in His Majesty's Forces was recommended to be put forward at a special general meeting in due course.

**Dumfries and District Horticultural Society.** An allocation has now been made by the committee of the Dumfries and District Horticultural Society of the balance arising from the show and sale of flowers, fruit, &c., held in August. The surplus amounted to about £6. The following contributions have been given and the balance is retained for contingencies. Dumfries Red Cross Hospital, £12; Maxwelltown Red Cross Hospital, £10; Vegetable Products Committee, £10; Lowland Regiments Association, £8; Dumfriesshire Soldiers' and Sailors' Families Association, £5; Stewartry Soldiers' and Sailors' Families Association, £5; Comforts for 1/5th King's Own Scottish Borderers, now at the Dardanelles, £5.

**Horticultural Trades Association of Great Britain and Ireland.**—The annual meeting and dinner of the above were held at the Hotel Windsor, Westminster, on Tuesday, the 14th ult. On account of the continued war crisis, Rule IV. was suspended, and the president (Mr. W. Cuthbertson, Edinburgh), the secretary (Mr. C. E. Pearson, Lowdham) and the members of the Council were all re-elected. Mr. E. A. Bunyard, Mr. W. Thomson (Clovenfords) and Mr. Ernest Merryweather (Southwell) were elected to fill three vacancies on the Council. The president referred to the great loss the association had suffered by the deaths of Mr. D. W. Thomson (Edinburgh), a member of the Council, and Mr. T. A. H. Rivers, a former president, and moved a vote of sympathy with the relatives of the deceased, which the members carried by standing in silence. The association is in a flourishing state financially, and has during the past year carried out much important work.

## TRADE NOTE.

A USEFUL CATALOGUE OF FRUIT TREES. THE long-established firm of Messrs. George Bunyard and Co., Limited, of Maidstone are sending out a catalogue which is an indispensable work of reference to all who grow fruit trees, either on a large or small scale. The introduction of so many new fruits renders it most difficult for growers to keep stock, while the endless variety renders it still more puzzling to purchasers to select fruits suitable for their purpose. This firm, however, in the edition of the catalogue under review, offer the public the benefit of their very wide experience, so that by consulting the "Select Lists" amateurs can readily secure suitable varieties for their purpose.

## PUBLICATIONS RECEIVED.

"The Orchid Review," edited by R. Allen Rolfe, A.L.S., price 6d. Frank Leslie and Co., 12, Lawn Crescent, Kew.

"Les Amis des Roses Journal," edited by Albert Boutin, 67, Cours de la Liberté, Lyon.

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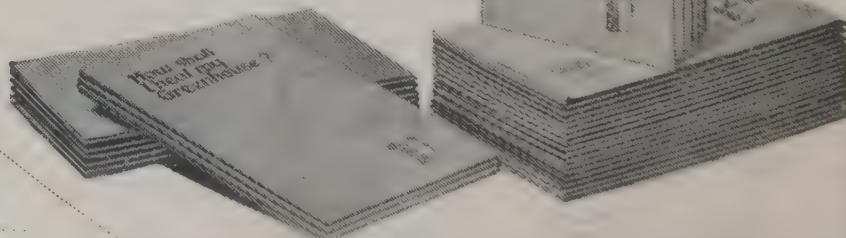
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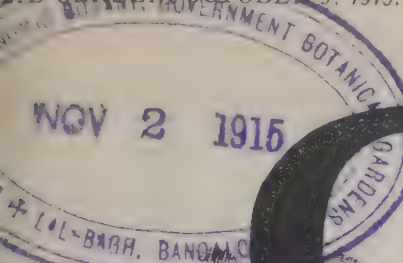
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Unsurpassed Quality.

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I do not re-  
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TENNIS COURT BORDER NETS, good  
colour, especially prepared, with strong line attached to net  
at top and bottom; easy to erect or take away; will not rot.  
can be left out in all weathers; 25 yds. by 2 yds., 6/6; by  
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Plant at once for early forcing.

	Per 100.	Per doz.
White Roman Hyacinths, extra selected bulbs	25/-	3 6
First size bulbs	18/6	2/8
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Bulb and Daffodil Catalogue now ready, free.		

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SUPPLY ASSURED.

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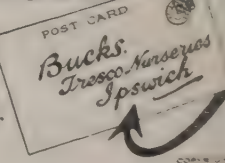
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	Per 100.
Auton d'Or, yellow	5/-
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crimson	5/-
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Catalogue, describing some 170 varieties of  
affodils, choice selections of Hyacinths,  
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## What is a "Bargain"?

In the highest and the best sense a bargain is not a cheap article at a low price, but a mutually satisfactory business transaction between honourable parties. In that sense this advertisement is full of potential bargains for YOU. Test this claim to-day. Bees Ltd. guarantee to refund cash in full if goods are not satisfactory.

**ROSES** selected by the National Rose Society as most suitable for the various purposes; guaranteed by Bees Ltd. to be true to name, famously fibrous rooted, hardy, clean and healthy. (Catalogue with Colour Chart of Roses, &c., post free.)

Bees' A B C of Rose Culture, 32 pages of plain directions for the Amateur, 1s. 6d. post free.

Tea Roses		Fragrant Roses		Town Roses	
Carriage Paid.	Cash with Order.	Carriage Paid.	Cash with Order.	Carriage Paid.	Cash with Order.
<b>'C' Coll.</b> 12 good Tea Scented Roses for Ex'n or Gdn. Recommended by the National Rose Society.		<b>'D' Coll.</b> 12 of the most deliciously Scented Roses. Recommended by the National Rose Society.		<b>'E' Coll.</b> 12 Roses which do well in towns. Recommended by the National Rose Society.	
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Mme. Constant Souper, dp. yl. 8d.		Dupuy Jamain (HP), cerise .. 6d.		Dr. O'Donel Browne (HT), carmine .. 8d.	
Mme. Jules Gravereaux, r'sy yl. 9d.		Ed. Mawley (HT), crimson .. 8d.		F. K. Druschki (HP), white .. 6d.	
Mme. Hoste, pale lemon .. 8d.		George Dickson (HT), crimson 8d.		George Dickson (HT), crimson 8d.	
Miss A. de Rothschild, cit. y'lw 8d.		Gen. Jacqueminot (HP), crimson 6d.		Gus. Grunerwald (HT), carmine 8d.	
Molly Sharmen Crawford, wh. 8d.		Gen. McArthur (HT), crimson 8d.		J. B. Clark (HT), deep scarlet 8d.	
Mrs. Edward Mawley, pink .. 8d.		Juliet (HB), old gold and red .. 8d.		La Tosca (HT), salmon flesh .. 8d.	
Mrs. Foley Hobbs, ivory white 8d.		La France (HT), rose .. 6d.		Mme. Ed. Herriot, prawn red 9d.	
Lady Roberts, reddish apricot 8d.		Lady Alice Stanley (HT), pink 8d.		Mme. Ravary (HT), orange .. 6d.	
Mrs. Myles Kennedy, cream .. 8d.		Mme. Ed. Herriot, prawn red .. 9d.		Mrs. John Laing (HP), rose pink 6d.	
Souv. de P. Notting, apricot .. 8d.		Mrs. John Laing (HP), rosy pink 6d.		Mme. Isaac Pereire (B), carmine 6d.	
W. R. Smith, blush white .. 8d.		Ulrich Brunner (HP), cherry red 6d.		Ulrich Brunner (HP), cherry red 6d.	

Buttonhole Roses		All Round Roses		12 New Roses	
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Lady Hillingdon (T), apricot .. 8d.		Capt. Hayward (HP), scarlet .. 6d.		Colleen (HT), rose pink .. 2/6	
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Mme. A. Chatenay (HT), salmon 6d.		F. K. Druschki (HP), white .. 6d.		Lady M. Ward (HT), apricot .. 1/-	
Mme. Jean Dupuy (T), golden .. 8d.		Hugh Dickson (HT), crimson .. 6d.		Mme. Ch. Lutaud (HT), orange 1/-	
Mme. Ed. Herriot, prawn red .. 9d.		La France (HT), rose .. 6d.		Mme. Ed. Herriot, prawn red .. 9d.	
Mme. Jules Grolez (HT), rose .. 6d.		Lady Ashtown (HT), pink .. 6d.		Mrs. A. Carnegie (HT), white .. 1/6	
Melody (HT), canary yellow .. 1/-		Lyons Rose (HT), shrimp pink 8d.		Mrs. Forde (HT), carmine .. 1/-	
Mrs. H. Stevens (T), white .. 8d.		Mme. A. Chatenay (HT), salmon 6d.		Mrs. R. D. McClure (HT), salm. 1/-	
Richmond (HT), scarlet .. 8d.		Mme. Ed. Herriot, prawn red .. 9d.		Ophelia (HT), silvery salm. rose 1/6	
H. E. Richardson (HT), deep red 1/-		Mme. Ravary (HT), orange .. 6d.		Queen Mary (HT), red and yel. 1/6	

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12 Plants for all districts.		13 Plants for Cutting.		12 First-Class Town Plants.	
Cambridge Scarlet Bergamot, 3ft. 4d.		Red Sneezewort, 5ft., red & gold 4d.		White Peach I'd Bellflower, 3ft. 6d.	
New Departure Mullin, 5ft., bff. 9d.		Oliver's Sea Holly, 2ft., blue 6d.		Golden Glow Coneflower, 6ft. 4d.	
Texan Mallow, 4ft., bright rose 4d.		White Wormwood, 5ft., white .. 4d.		Torch Lily or Red Hot Poker, 5ft. 9d.	
Jerusalem Cross, 4ft., pu. sc'let 4d.		David's Goat's-beard, 4ft., c'son 6d.		False Dragon's Head, 5ft., rosy 4d.	
Pearl Sneezewort, 3ft., white 4d.		Db'e. White Gause Flower, 3ft. 9d.		Plume Poppy, 6ft., buff .. 4d.	
Db'l. Meadowsweet, 3ft., cream 4d.		Henty's Phlox, 3ft., salmon .. 6d.		Purple Cone flower, 4ft., purple 6d.	
Dwarf Golden Helenium, 1ft. 4d.		Caucasian Scabious, 2ft., .. 6d.		Mellish's Sunflower, 6ft., golden 3d.	
King Ed. VII., M'guerite, 2ft., w. 4d.		Red Sea Sea Lavender, 1ft. .. 6d.		Newman's Conef'r, 2ft., orange 6d.	
Basin Bellflower, 3ft., pale blue 4d.		Tersteeg Marguerite, 2ft., wh. 4d.		White Japanese Anemone, 2ft. 6d.	
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Mrs. Bradshaw's Avena, 1ft., sc. 4d.		Single Gypsophila, 3ft., white 6d.		Blue Cupidone, 1ft., everlasting 3d.	
Showy Flea Bane, 1ft., purple 4d.		Blanket Flower, 2ft., red & gold 4d.		Willmott's Cinquefoil, 1ft., red 6d.	

**BULBS** of unimpeachable and unsurpassable quality; sound, thoroughly well ripened, and guaranteed to give complete satisfaction. (Catalogue free.)

Bees' A B C of Bulb Culture, 32 pages of plain directions—indors and out, 1s. 6d. post free.

LARGE HYACINTHS		150 GARDEN BULBS		XMAS COLLECTION	
Carriage Paid.	Cash with Order.	Window box or border.	Post free.	Carriage Paid.	Cash with Order.
top size, for glasses, pots, bowls, etc.		3/9		72 bulbs, flower indoors. 12 each tulips, hyacinths, narcissus, Roman hyacinths, freesias, crocuses, with fibre to grow them in, and instructions.	
Grand Maitre, light blue.		10 hyacinths, 20 each tulips, daffodils and narcissus, crocuses, S. Iris, bluebells, snowdrops, ranunculus.		Carriage Paid 5/-	
L'Innocence, pure white.		(Double quantity, 300 bulbs, 7/-).		Xmas Tulips	
King of the Belgians, b'ght scr'lt.		Bees' Fertile Bulb Fibre.		Carriage Paid 2/6	
Blush Queen, rosy white.		A complete compost in which all kinds of bulbs, &c., can be grown to perfection. Clean, NO Smell.		12 each yellow, scarlet, pure white, scarlet and gold (half quantity) 1/4	
Pink Perfection, soft pink.		1 bushel 1/9; 1 bushel, 3/-		Xmas Hyacinths	
King of Yellows, deep primrose.		(Carriage paid with bulbs).		Carriage Paid 4/6	
Rose a Merveille, delicate rose.		Bees' A B C of Bulb Culture.		3 very large bulbs, each red, white, deep blue, pink, pale lavender.	
Sir W. Mansfield, rich violet.		A 32-page booklet, contains instructions how to grow all kinds of bulbs. Price 1s. 6d. post free.			
Gertrude, carmine.					
Marie, deep blue.					
Queen of Blues, soft blue.					
White Queen, fine ivory.					
(12 1st size, 12 sorts, 2/9)					

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COLLECTION OF HYBRID TEAS

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HAVERING-ATTE-BOWER, ESSEX.

POST FREE—Pemberton's Rose List and Amateur's Guide to Selection, which gives particulars and prices of the Best Roses suitable for present planting.

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### HAVE

# 200,000 Rose Trees

## TO OFFER AT 6d. EACH,

all grown on their new Nurseries at Scaptoft, strong maiden plants, budded on Seedling Briar; guaranteed true to name, in varieties as Lady Pirrie, Leslie Holland, Sunburst, Rayon d'Or, Mrs. A. Tate, James Coey; Dorothy Ratcliffe, Geoffrey Henslow; Duchess of Normandy, L. Chauré, Ferniehurst, M. de Sinety, Ed. Mawley, and hundreds of other varieties. Send for our Illustrated Catalogue of Standard, H. Tea, Climbing and other Roses, post free. Kindly note new address:

**CHAPMAN & CO.,**  
Royal Nurseries, SCAPTOFT, LEICESTER.



# WARNING!

## THE GARDEN and PATRIOTISM

THE HORTICULTURAL TRADES' ASSOCIATION OF GREAT BRITAIN & IRELAND

representing practically all the leading Nurserymen and Seedsmen in the British Isles, desires TO WARN the British Public against the ingenious Trade advertisements which have recently been inserted in the Press on behalf of certain Dutch Growers.

### POINTS TO CONSIDER :

(1.) These foreign advertisements are carefully worded to induce the British public to send their orders abroad (to the detriment of British and Irish growers) for the benefit of "poor Dutch bulb-growers," who are alleged to be "suffering awfully" from the trade depression due to War between the other European countries, and to be "longing for orders!"

(2.) With regard to the allegation that Dutch growers are "suffering awfully," it is interesting to note that the wholesale prices for Dutch bulbs are, generally speaking, quite normal, and some varieties are actually dearer than in ordinary years. Moreover the Dutch growers are by no means solely dependent on English customers; in addition to the American market, which is open to all, they are still dealing largely with the "Enemy countries" of Germany and Austria, as they are of course fully entitled to do.

(3.) The growers in Holland are comparatively well off, as living in a neutral country, they are not called upon to bear the heavy financial strain which is being cheerfully shouldered by British traders in the cause of liberty and justice.

(4.) Every sovereign sent to the Continent is not only a loss to Great Britain, but may even become a source of benefit to the Enemy, who, of course, continues to trade with neutral countries.

(5.) By patronising British firms, the British public enables Home Industries to contribute more in taxation towards the ever-increasing cost of the War and to give more employment to men over military age as well as to women.

(6.) The object of this notice is to secure fair play for British Industries, rather than to appeal for more trade, although this is greatly needed. The Association desires, however, to point out that Bulbs of the highest quality are obtainable at fair trading prices from all British and Irish firms of good standing—whose reputation is a practical guarantee of the fullest satisfaction being obtained, and who can be interviewed personally in the event of complaints arising. Furthermore, it can fairly be claimed that in the case of many Spring Flowers (as for instance, Darwin and other May-flowering Tulips, and Daffodils) better bulbs are grown in the United Kingdom than anywhere abroad.

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STRONG CLUMPS FOR WINTER FLOWERING.

### SINGLES.

Admiral Avellan	...	4/6 doz.
Askania	...	9/- doz.
La France	...	4/6 doz.
Baroness Rothschild	...	4/6 doz.
Princess of Wales	...	4/6 doz.
John Raddenbury	...	4/6 doz.

### DOUBLES.

Marie Louise	...	6/- doz.
Berthe Baron	...	9/- doz.
La Belle Parisienne	...	12/- doz.
Mrs. D'Arcy	...	9/- doz.
Neapolitan	...	6/- doz.

**GEO. BUNYARD**  
& CO., LTD.,  
*The Royal Nurseries,*  
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**COLLECTION "G" OF NEW ROSES**

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EVERY ONE A GENUINE NOVELTY.

This superb collection of 18 of the best NEW ROSES in dwarf plants. The price of this wonderful collection is 29/6, carriage and packing free for cash with order (with Acme labels, 31/9). The varieties are:—

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Coronation, H.P.	Marie Adelaide, H.T.
Danae, H.T.	Old Gold, H.T.
George Dickson, H.T.	Queen Mary, H.T.
Irish Fireflame, H.T.	Rayon d'Or, P.
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FOR POTTING OR BEDDING.  
From 2/6 to 6/- per 100.

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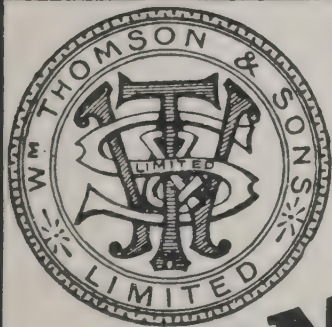


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Vine, Plant &  
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experience of many years in all branches of  
Horticulture, producing vigorous, healthy, and fruitful growth.

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NURSERYMEN or from Sole Makers:

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**11/- per gall.**

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**12/- per gall.****CHEAPER AND LASTS LONGER.****"VITROLITE"**

is unequalled for the painting of greenhouses  
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Full particulars on request from

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BATTERSEA, LONDON, S.W. And at BACHELOR'S WALK, DUBLIN.

**Give them Carmona**

and your vegetables will bear maximum crops. Every plant and every square yard of ground will double and treble in yield. Feed your flowers with it, and your garden will be a blaze of colour throughout the season. Carmona provides the food that plants need, as much as they need, and when they need it.

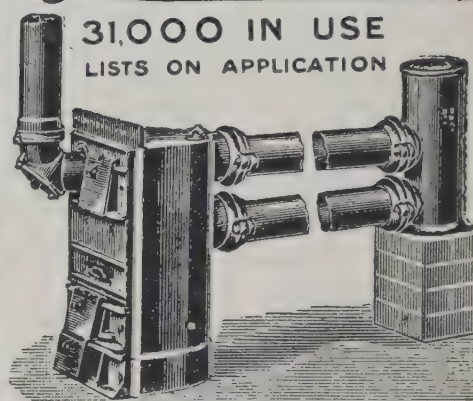
**CARMONA**

Enrich your Seed Beds with Carmona, and Feed it to Growing Plants.

All Seedsmen sell it in Tins, 6d., 1/-, 2/6; Bags, 14 lbs., 4/6; 28 lbs., 7/6; 56 lbs., 12/6; 112 lbs., 20/-.

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*The* **Loughborough**  
**BOILER**



**31,000 IN USE**  
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The pioneer of cheap, simple and effective heating for small greenhouses. Complete Apparatus from £4.4.0. The immense sale of this boiler and its numerous imitations are the best testimony of its undoubted success.

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Protects your Seeds and Seedlings and Garden Beds from Slugs.

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Put a little round every Seedling and Plant.  
Put a little in every Seed Drill. Sprinkle a little over every bed before digging over and bedding out.

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6d. and 1/- Tins and 12/6 per Cwt.,  
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200 Pages. 23 Illustrations

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20, Tavistock Street, Covent Garden, London, W.C.



Messrs. George Cooling and Sons, Bath, were awarded a silver Knightian medal for a very fine group in which Charles Ross, Crimson Bramley and Frogmore Prolific were well represented.

#### DIVISION III.

##### Open to Market Growers Only.

Messrs. Gaskain and Whiting, Dargate, Faversham, were the only competitors for twenty baskets of cooking and dessert Apples. Norfolk Beauty, Newton Wonder, Blenheim Orange, Lord Derby and Warner's King (the last named remarkably good) were the pick of the cooking Apples from this well-known market firm.

Messrs. Gaskain and Whiting were also first for six baskets of Pears, showing high quality fruit of Doyenné du Comice, Duchesse d'Angouleme, Pitmaston Duchess, Uvedale's St. Germain, Triomphe de Vienne and Beurré Mortillat.

There were three competitors for twelve baskets of Apples, six cooking and six dessert. Mr. H. Lumley Webb, Ham Green, Upchurch, was first with baskets of highly coloured Ben's Red, Cox's Orange Pippin, Rival and others. Lord Derby, Warner's King, Twenty Ounce, Loddington Seedling, Tower of Glamis and Peasgood's Nonsuch were the cooking varieties shown. They were remarkable for their size and splendid finish. The Horticultural College, Swanley, were second with a very creditable collection. Their magnificent basket of Peasgood's Nonsuch contained some of the largest fruits of this variety in the show.

#### DIVISION IV.

##### Open to Gardeners and Amateurs Only.

Apples of very high quality and beautifully coloured were shown in the class for twenty-four dishes, sixteen cooking and eight dessert. C. A. Cain, Esq., Welwyn, was first, showing first-rate dishes of Lord Derby, Rev. Wilks, and Bramley's Seedling among the cooking Apples, and Cox's Orange Pippin, Allington Pippin, Ribston Pippin, King of the Pippins, Wealthy, Charles Ross and Rival among the highly coloured dessert varieties. Lord Somers, Eastnor Castle (gardener, Mr. G. Mullins), was a good second, showing Gascoigne's Scarlet, King of the Pippins and The Houblon, perfect in form and depth of colouring.

Mr. John Liddell, Sheffield Manor, Basingstoke, showed grand dishes of The Queen, Gloria Mundi, Newton Wonder, Charles Ross and Rival, which enabled him to win the first prize for twelve dishes, eight cooking and four dessert.

For six dishes of cooking Apples, C. A. Cain, Esq., Welwyn, was first with Lane's Prince Albert, Rev. Wilks, Bramley's Seedling, Warner's King, Peasgood's Nonsuch and Emperor Alexander.

Lord Somers, Eastnor Castle, was first for six dishes of dessert Apples, with King of the Pippins, The Houblon, Allington Pippin, James Grieve, Ribston Pippin and Wealthy, a really grand selection.

C. A. Cain, Esq., added to a long list of successes by winning the class for eighteen dishes of Pears. His best dishes were Marguerite Marillat, Durondeau, Louise Bonne of Jersey and Doyenné Boussoch.

Lord Somers was first for twelve dishes of Pears. His dish of fruits of Louise Bonne of Jersey were a wonderful colour.

#### DIVISION V.—SPECIAL DISTRICT COUNTY PRIZES.

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AA.—Six dishes of Apples, distinct, four cooking, two dessert.

BB.—Six dishes of dessert Pears, distinct.

##### Open Only to Kent Growers.

AA.—First, the Rev. H. A. Bull, Westgate-on-Sea (gardener, Mr. F. King), whose best were Lady Sudeley, Cox's Orange Pippin and Peasgood's Nonsuch.

BB.—The Rev. H. A. Bull again led, having Beurré Hardy, Doyenné Boussoch, Pitmaston Duchess and Durondeau, among others.

##### Open to Growers in Surrey, Sussex and Hants.

AA.—First, Sir James Horlock, Bart., West Dean Park, Chichester (gardener, Mr. W. H. Smith), who staged Charles Ross, Rival, Lane's Prince Albert and Peasgood's Nonsuch very finely.

BB.—First, the Rev. M. McMurdie, Woburn Park, Weybridge (gardener, Mr. A. Basile), whose Durondeau, Beurré Diel, Marguerite Marillat and Pitmaston Duchess were excellent; second, Mr. A. Smith, Roehampton.

##### Open to Wilts, Dorset, Somerset, Devon and Cornwall.

AA.—First, F. J. B. Wingfield Digby, Esq., Sherborne Castle, Dorset (gardener, Mr. Turton), who had Annie Elizabeth, Gloria Mundi, Peasgood's Nonsuch and Cox's Orange Pippin very good.

BB.—F. J. B. Wingfield Digby, Esq., also took first here, having Durondeau, St. Luke, Beurré Alexandre Lucas, Doyenné du Comice and Beurré Superfin in splendid condition; second, Lady Mary Morrison, Tisbury, Wilts.

##### Open to Growers in Gloucester, Oxford, Bucks, Berks, Beds, Herts and Middlesex.

AA.—First, E. E. Pearson, Esq., Brickendonbury (gardener, Mr. W. Stevenson). Mère du Ménage, Emperor Alexander, Bramley's Seedling and Ribston Pippin were the best.

BB.—First, J. B. Fortescue, Esq., Dropmore, Maidenhead (gardener, Mr. C. Page), whose dishes of Triomphe de Vienne and Marguerite Marillat were grand.

##### Open to Growers in Essex, Suffolk, Norfolk, Cambridge, Hunts and Rutland.

AA.—First, the Right Hon. J. W. Lowther, Campsea Ashe, Suffolk (gardener, Mr. A. Andrews), who staged Peasgood's Nonsuch, Warner's King and The Queen very finely.

BB.—First, C. H. Berners, Esq., Wolverston Park, Ipswich (gardener, Mr. Messenger). Triomphe de Vienne, Charles Ernst and Doyenné du Comice were all excellent.

##### Open to Growers in Lincoln, Northampton, Warwick, Leicester, Notts, Derby, Shropshire and Cheshire.

AA.—First, Mr. N. Taylor, Shrewsbury, with Newton Wonder, Lane's Prince Albert, Peasgood's Nonsuch and Allington as the best.

BB.—First, the Duke of Portland, Welbeck Abbey (gardener, Mr. J. Gibson), whose very fine lot included Doyenné du Comice, Durondeau, Souvenir du Congrès and Marguerite Marillat.

#### WARGRAVE AND DISTRICT GARDENERS' ASSOCIATION.

A BETTER attendance characterised the last meeting of the association, when "ten minute" papers were given by Mr. W. Clarke of Bear Hill Gardens on "Gloxinias," and Mr. T. Batchelor of Bolney Court Gardens on "The Use and Abuse of the Water-pot." Each dwelt in a most practical way with his respective subject, and capital discussions followed in which many members took part. The judges awarded a cultural certificate to Mr. William Bazeley, the Twyford Nurseries, for a well-flowered specimen of *Oncidium incurvum*. Another new member was enrolled.

#### CHELMSFORD AND DISTRICT GARDENERS' ASSOCIATION.

THE annual meeting was held recently, when Mr. G. A. Coulson presided over a fair attendance. The hon. secretary (Mr. W. H. Ripper) presented the report and balance-sheet, both of which were very satisfactory; the balance-sheet showed a balance of £10 9s. 2d. Mr. E. H. Christy was re-elected president and Mr. W. H. Ripper hon. secretary; the additions to the committee were Mr. A. Hales and Mr. P. Gunner. It was arranged that meetings should be held once a month instead of fortnightly, and the dates so arranged that the meetings are held on moonlight nights. This has been done in order to benefit the country members, who form a large part of the membership. The meeting closed with a vote of thanks to the president, secretary and members of the committee.

### THE EDITOR'S TABLE.

#### China Asters from a Kentish Garden.—

Mr. George Bunyard, The Crossways, Mereworth, Maidstone, sends a pleasing selection of pink, mauve, and white China Asters. The flowers are seen in their full beauty when placed in the sunlight, and our esteemed correspondent writes of them as follows: "I am sending you a gathering of the single Chinese Asters (*Callistephus sinensis*). You will find them last well in water, and their long stems enable them to be lightly arranged. I have a large bed of them, which were planted in ordinary soil after being raised in warmth and then transplanted to a cold frame, enabling us to plant them with a ball of earth, so that they never flagged. They are from 1½ feet to 2 feet high and are most harmonious and effective in the mass, and I call attention to them as most desirable for any garden, however small. They have been greatly admired by my visitors. I have also a reserve of plants in beds to cut from, and they have been beautiful for a month. I have cut them the full length so that you may see their growth."

**Lieutenant Eric G. Sutton.**—We learn with pleasure that the King has conferred the Military Cross on Lieutenant Eric Guy Sutton, 7th Battalion Royal Sussex Regiment, for initiation and bravery in conducting mining operations at the Front. Lieutenant Sutton is the son of Mr. Leonard Sutton of Reading.

**Mr. W. H. Thomson, J.P.**—Among the new Justices of the Peace for Selkirkshire who have just been appointed, we observe the name of Mr. William H. Thomson, Vine grower, Clovenfords. Horticulturists will be gratified to observe that Mr. Thomson has been selected to act on the Commission of Peace.

#### Trial of Herbaceous Pæonies at Wisley.—

The date for receiving varieties of herbaceous Pæonies for trial at the Royal Horticultural Society's Gardens at Wisley has been extended to October 23. Growers who wish to enter varieties for trial should send them as soon as possible to the Director, Royal Horticultural Society's Gardens, Wisley, Ripley, Surrey, from whom the necessary forms of entry may be obtained.

**Fortnightly Meetings of the Royal Horticultural Society.**—Under the Defence of the Realm Act, the police have now issued an order that all lights in the Hall must be extinguished at 6 p.m. To comply with this regulation it is necessary that all the society's meetings and shows should close at 5 p.m. Exhibitors can begin staging early on the Monday morning preceding the show day. We learn with pleasure that the fine exhibit of Grapes from the Wisley Gardens, shown at Vincent Square, Westminster, S.W., on September 28, was sent by the Council of the Royal Horticultural Society to the King George's Hospital at the new Stationery Office in Waterloo Road.

#### Home-Grown Bulbs: An Appeal to Readers.—

However well in times past foreign firms have served us, we feel it our duty to re-echo the advice given by our esteemed correspondent, the Rev. Joseph Jacob, in a recent issue of *THE GARDEN*, name'y, that in this period of stress and strain we must husband our resources and keep all the money we can at home. Bulbs of the highest quality, and even better bulbs, are obtainable at fair trading prices from all British and Irish firms of good standing; and again we appeal to our readers to give their orders to their own countrymen.

**National Sweet Pea Society.**—The annual general meeting will be held at the Royal Horticultural Hall, Vincent Square, Westminster, S.W., on Monday, October 11, commencing at 2.30 p.m. It is proposed to alter Rule 27 to read: "Alterations, amendments, or additions to Rules shall only be made at the Annual General Meeting, or at a Special General Meeting called for that purpose. Notice of intention to propose alterations, amendments or additions to the Rules at the Annual General Meeting shall be sent to the Secretary not less than twenty-one days prior to the First of October each year." Owing to the lamented death of Mr. F. W. Harvey, who successfully edited the 1915 Annual, Mr. J. S. Brunton has now been appointed editor. Members who have photographs or items of interest to submit for consideration for the next Annual are invited to communicate as soon as possible with Mr. J. S. Brunton, Junction Street, Burnley.

#### Schools for Fruit Growing in Australia.—

Among the various State schools in Queensland in which very practical work is being done to interest and instruct the children in scientific methods of fruit growing and agriculture is that at Buderim Mountain. A representative of a Brisbane journal, passing the school ground a short time ago, noticed a little circle of children standing around a plant listening with interest to remarks on pruning, offered by Mr. J. C. Stubbin (Teacher of Agriculture for the Department of Public Instruction), who was making one of his periodical visits to Buderim Mountain. The head teacher (Mr. R. Bartlett) invited the pressman to inspect the school plot, and it quickly became evident that he was devoting a great amount of his spare time to interesting his pupils in up-to-date methods of cultivation, and also in carrying out some valuable experimental work in fruit growing. Perhaps the most interesting of Mr. Bartlett's efforts is that directed to the discovery of a method whereby a large percentage of the Banana plants may be induced to bear fruit marketable during the several months of the year when it is most scarce and of high value. He is confident that he has successfully achieved his purpose, and that he can produce the largest proportion of his crop in the now "lean" part of the season.



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ORCHARD AND WOODLAND

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## ROYAL HORTICULTURAL SOCIETY.

THE ordinary fortnightly meeting of the society, held on the 12th inst., was full of interest and beauty for the time of year. Hardy flowers, such as Dahlias, Roses and Michaelmas Daisies, were in plenty and of good quality. A chief feature of attraction was the conifers from Crawley, the collection of these being of more than ordinary interest. Nerines were very pretty. Fruit and Orchids were in the minority. A few distinct novelties were granted awards.

## FLORAL COMMITTEE.

Present: H. B. May, Esq. (chairman), and Messrs. E. A. Bowles, G. Reuthe, C. Blick, J. W. Moorman, W. Howe, J. Jennings, W. H. Page, C. Dixon, H. J. Jones, C. E. Pearson, C. E. Shea, J. T. Bennett-Poë, W. P. Thomson, W. G. Baker, E. H. Jenkins, R. C. Notcutt and W. Cuthbertson.

Without doubt the outstanding feature of the meeting was the remarkable exhibit of shrubs and coniferous plants arranged by Messrs. J. Cheal and Sons, Crawley, at the western end of the hall, and in all probability it ranked among the finest of its kind ever staged at one of these meetings. Full of interest and variety, it was equally replete with charm and that freshness which characterises the growth of almost all plants in districts outside the smoke area. Of a highly representative character, the group included many plants of merit and distinction, such as *Cupressus tamariscifolia*, *C. intertexta*, *C. pulcherrima* (of a mixed golden and glaucous tint), *C. Stewartii* (golden, of very distinct form), *C. Shawii* (of a gracefully drooping type), *C. filifera glauca*, *C. alba spica*, *C. forsteckiana* (of dwarf, spreading habit), and *C. Wissellii* (whose striking red flowers in spring render it indispensable among these plants). Of *Abies*, *A. arizonica*, *A. nigra Domnetti*, *A. polita* and *A. hookeriana* are a quartet of the most distinct of these. *Taxus baccata adpressa aurea* is at once good, distinct and rare, while *Retinospora ericoides*, *R. obtusa pygmaea*, *R. o. Crippsii* (the finest golden conifer extant) and *R. lycepodiodioides* are others of great merit. Pines in variety, in *Pinus beuvroniensis* (one of the best of the pigmy class), were also well represented. In addition *Liquidambar*, *Cotoneaster frigida*, with *Cornus elegantissima*, *Berberis Thunbergii* (of most brilliant colour), Oaks and other foliage plants afforded brilliant colour tints so welcome at this season. A good idea of the extent of the arrangement may be gathered from the fact that some 120 varieties of conifers alone were staged.

Messrs. Carter Page and Co., London Wall, contributed an excellent lot of Dahlias, chiefly of the Pæony, decorative, Collarette and Cactus sections. Holman Hunt (crimson), Phidias (salmon) and Aplodite of the first-named set were all admirable.

Messrs. Piper, Barnes and Bayswater, displayed a mixed group of shrubs, in which *Berberis Wilsonae*, *B. W. erecta*, *B. trifoliata*, *B. Fremontii*, *Ilex Pernyi*, with *Pernettyas* and *Clematises* in variety, which included *C. campanile*, *Pyracantha*, *Euonymus* and the fine-leaved Vines were among the more important. This firm also staged a large collection of Dahlias in variety.

Messrs. Harkness and Sons, Hitchin, showed excellent Roses, of which Lady Hillingdon, Lyon Rose, Mme. Edouard Herriot, Duchess of Wellington, Edu Meyer, Snow Queen and John Hill were among the more important.

Mr. J. B. Riding, Chingford, Essex, had an excellent display of Dahlias, largely of the Pæony section. Boileau (pure white), Queen Mary (pink decorative), Marianne (orange amber), Mrs. J. C. Vaughan (yellow), Géant of Lyons (crimson) and Sulphurea (decorative) were among the more important. Representatives of the rarely seen *Anemone Dahlias* were also on view. M. Gauthron (pink) of this set was very beautiful.

Messrs. B. R. Cant and Sons, Colchester, staged excellent Roses. Rayon d'Or, Lyon Rose, Irish Elegance, Lady Hillingdon (of glorious colour), Mme. Edouard Herriot, A. R. Goodwin, Snow Queen, Perle d'Or, Hugh Dickson and George Dickson were a few of those staged in superb form.

The Roses from Mr. Elisha J. Hicks, Twyford, were also very beautiful, his best stands being Florence Haswell Veitch, Snow Queen, Joanna Bridge, Old Gold, Comtesse du Cayla, Princess Mary (a glorious single crimson), Lady Hillingdon and Mrs. John Foster (fire red), all finely shown. Vases of hips of the new Chinese Rosa Moyesii were in all probability an even greater attraction than the stands of flowers, by reason of their high ornamental beauty.

Messrs. Allwood Brothers, Hayward's Heath, displayed vases of excellent Carnations, of which Fairmount (heliotrope), Salmon Enchantress, Champion (scarlet), Cinderella (fancy), Wivelsfield White and Princess Dagmar were some of the best.

Messrs. H. B. May and Sons, Edmonton, had a most delightful exhibit of hardy Ferns, almost wholly *Scolopendriums*. Of these, *S. vulgare crispum grande* is undoubtedly one of the most handsome. *S. v. Kelwayii* is a 2-inch high crested pigmy sort. *S. v. muricato-grandiceps*, *S. v. m. tenue*, *S. v. crispum fimbriatum*, *S. v. ramo-cristatum*, *S. v. undulato-cristatum* and *S. v. cristato-ramosum* were others of great distinction and merit. The rich deep colour of this tribe at this season renders it most valuable and attractive.

The Rev. J. H. Pemberton, Romford, again showed the cluster Roses Queen Alexandra, Trier, Danæe, Moonlight and Clytemnestra; a very charming set.

The Misses Hopkins, Shepperton-on-Thames, showed a small collection of alpenes, in which were seen a variety of interesting things.

Messrs. W. Wells, Limited, Merstham, had a grand lot of Chrysanthemums, of which the stands of *Le Pactole* (bronze), *Crimson Polly*, *Early Buttercup* (golden), *Framfield* Early white and *Belle Mauve* were all good and distinct.

Mr. Amos Perry, Enfield, showed well of Michaelmas Daisies, Japanese Anemones and other good autumn flowers. The plant of greatest charm, however, was *Gentiana ornata*.

The Misses Price and Fyfe, Birchgrove, Sussex, showed a variety of border Chrysanthemums.

Mr. G. Reuthe, Keston, Kent, in a hardy plant exhibit, had some interesting species of Crocus, also the white forms of speciosus and pulchellus, two very beautiful sorts. Colchicums and Nerines were good.

Mr. L. R. Russell, Richmond, filled a table with berried plants, Vines, Ivies and the like.

Messrs. H. J. Jones, Limited, Lewisham, had a lovely table of Michaelmas Daisies in large, handsome stands, Henry Adams (fine blue) being one of the best. Cyrus (rosy), Charles Seymour (grey blue), Novæ-Angliæ pulchellus, Lil Fardell (rich red) and Ryecroft Pink were a few of the most beautiful in a really fine lot. Gladys Dunellan (pale blue) was very fine.

Messrs. G. and A. Clark, Dover, had a showy group of autumn flowers, in which Michaelmas Daisies and Rudbeckias were the chief.

The Hon. Vicary Gibbs, Aldenham, Elstree, showed an interesting table of cut shrubs, the more showy being *Euonymus americanus* (rich scarlet), *Lomaria Maackii*, *Cratægus cognata* (scarlet), *Hippophaë rhamnoides* (very fine) and *Berberis vulgaris* (one of the most brilliant). Dishes of Quince, Nuts, Crabs, Grapes, Pyrus, Rose and other fruits constituted an interesting feature along the front of the group.

Mr. W. Wells, jun., Merstham, showed well of Phloxes. Michaelmas Daisies, Aster Amellus King George, *Cimicifuga simplex* and other good autumn flowers.

Messrs. Dobbie and Co., Edinburgh, has a superb lot of Collarette Dahlias. St. Abbs (ruby crimson and cream), Scarlet Queen, Diadem (rosy cerise), Maidens (yellow) and Carron (orange red) were some of the finer and more distinct.

Mr. John Pigg, Royston, Herts, staged some admirable Roses. Lyon Rose, Juliet, Mme. E. Herriot, Lady Hillingdon (grand colour), Lady Pirrie, Souv. de Pierre Notting, Dora van Tets (fine crimson, of rare substance and fragrance), Jonkheer J. L. Mock and Pink and White Cochet were all notable and good. La Tosca (flesh) was also good.

Messrs. W. Cutbush and Son, Highgate, N., arranged a huge bank of Michaelmas Daisies, of which Climax, Blue Beard, The Queen, Golden Spray and Sirius were very fine. The varieties of cordifolius were also excellently staged.

Messrs. Barr and Sons, Covent Garden, W.C., had an exhibit of Nerines and Crocuses, one of the most charming things in the show. Of the former, *coruscans major*, Mrs. Douglas (pink), Venus (salmon), Vivid (very rich in colour), and Countess Bathurst (two shades of pink) were all excellent. The Crocuses were very beautiful and in variety.

The beautiful show of the new Carnation Alice (soft pink) was a pleasant surprise to visitors. Philadelphia, Benora, Salmon King and Champion were other Carnations shown in splendid form by Messrs. Stuart Low and Co., Bush Hill Park, Middlesex.

## FRUIT AND VEGETABLE COMMITTEE.

Present: J. Cheal, Esq. (chairman), and Messrs. A. R. Allan, H. J. Wright, E. A. Bunyard, Owen Thomas and E. Beckett.

A silver-gilt Knightian medal was awarded to the Barnham Nurseries, Limited, Barnham, Sussex, for a very choice collection of dessert and cooking Apples. Colour and quality left little to be desired, and some particularly good baskets of Cox's Pomona, King of the Pippins, Emperor Alexander and Ben's Red were noted.

## ORCHID COMMITTEE.

Present: J. G. Fowler, Esq. (chairman), Sir Harry J. Veitch, and Messrs. J. O'Brien, Gurney Wilson, W. Bolton, S. W. Flory, A. Dye, W. P. Bound, W. H. Hatcher, H. G. Alexander, W. Cobb, T. Armstrong, A. McBean, J. Charlesworth, Pantia Ralli, C. H. Curtis and R. A. Rolfe.

Messrs. Sander and Sons, St. Albans, showed Clonia and Balmoral, two fine *Laelio-Cattleyas*; also a nice batch of *Cattleya Mantini* Sander's type, and many Orchids of botanical interest.

A meritorious group of *Odontoglossum grande* was sent by Dr. Miquel Lacroze, Roehampton Lane, S.W.

Very bright indeed were the *Cattleyas*, *Odontodas* and *Vanda cœrulea* shown by Messrs. Stuart Low and Co., Jarvisbrook, Sussex.

Messrs. Hassall and Co., Southgate, showed *Cattleya Sybil* (*C. aurea* × *C. iridescens*) in an interesting and meritorious collection.

Orchids in season, such as *Odontoglossum periclymenum*, *Olympia*, *Cattleya Falsia alba* and *Brasso-Cattleya Queen Alexandra*, were shown by Messrs. Charlesworth and Co., Hayward's Heath, Sussex.

**Sergeant R. L. Corry.**—We learn with deep regret that Sergeant R. L. Corry, who was serving with the Honourable Artillery Company, has been killed at the Front. Sergeant Corry, aged twenty-five years, was the youngest surviving son of Mr. W. Longman Corry, horticultural sundriesman, of Bedford Chambers, Covent Garden. In a letter conveying the sad news to deceased's father, the captain of his company concludes: "By his death the regiment has lost one of its best N.C.O.'s. In B Company, where he was everybody's friend, his loss will be most keenly felt. He invariably carried out his duties in a most soldierly manner, and at the same time in a most cheery spirit, and was beloved by all."

**"Le Jardin."**—Our Parisian contemporary and namesake, after discontinuing its publication for some months on the outbreak of the war,

started again a few months ago. Although a fortnightly publication in the ordinary way, it has been obliged to limit its appearance to one number per month, and that, owing to circumstances easily understood, somewhat reduced in size. The current number contains notes concerning horticulturists killed or wounded at the Front; an article by one of its contributors, a returned prisoner of war; and a short biographical sketch of Captain Bernet, the first Frenchman to raise Chrysanthemums from seed.

**A Booklet on Fruit Preserving.**—The value and importance of a small handbook by Mrs. Helen Wyldon is based principally on the methods which it advocates of preserving nearly all kinds of fruit without the aid of sugar, a matter of considerable interest, owing to the high prices ruling for this commodity. While consumers of sugar are naturally hoping for falling prices later on, it is still a most helpful treatise for the present moment, its chief merit being that small quantities of jam can be made from time to time in the interim from the sugarless preserve. The booklet contains brief and concise advice, which can be followed by all cultivators of fruit or those interested in preserving, whether they be professional, amateur, or the humble cottager, and is published at the modest price of one shilling by Messrs. Polsue, Limited, Gough House, Gough Square, Fleet Street, E.C.

**A Profitable Hospital Garden at Exeter.**—The garden and grounds of the Royal Devon and Exeter Hospital, situated almost within the shadow of the towers of Exeter Cathedral, cover an area of about two acres. Since the committee took the management of the garden into its own hands, the income, year by year, has steadily increased, as the following four years' returns will show: Garden produce in 1911 yielded £144; in 1912, £147; in 1913, £157; in 1914, £177; and the returns for the present year promise to maintain or exceed the gradual increase in revenue. Mr. P. C. M. Veitch, who is a governor of the institution and personally superintends the whole of the practical work of the garden, has for some years made a liberal present of bulbs—Hyacinths, Tulips, Daffodils, &c.—for planting in the borders and odd corners of the grounds. It may be mentioned that the cropping of the garden permits of the cultivation of many flowers for picking for the wards, such as Sweet Peas, Asters, Stocks, Mignonette, and other useful annuals for cutting.

**Burhill Intensive Gardens.**—These gardens at Walton-on-Thames, under the organisation of Mr. Elderbert F. Hawes, are now being opened as a training centre in order to demonstrate the enormous possibilities which exist in this country for extending the production of our home-grown food supplies when their cultivation is conducted on the most modern and scientific principles. Large and varied experiments relating to the highly productive system of French gardening, with its hot-beds, frames and cloches, and the continuous methods of cropping and intercropping, have been carried out there during the past six years in order to ascertain its true value. This system has now been adapted to meet the British requirements. By deep cultivation, the liberal and judicious uses of suitable manures, and light shelter arrangements for the tender crops in the earlier stages of their growth, the actual cost of production is kept at a minimum in relation to the great increase of produce obtained.

## CATALOGUES RECEIVED.

Ant. Roozen and Son, Overveen, Haarlem, Holland: Bulbs.  
Charles Turner, The Royal Nurseries, Slough: Bulbs.

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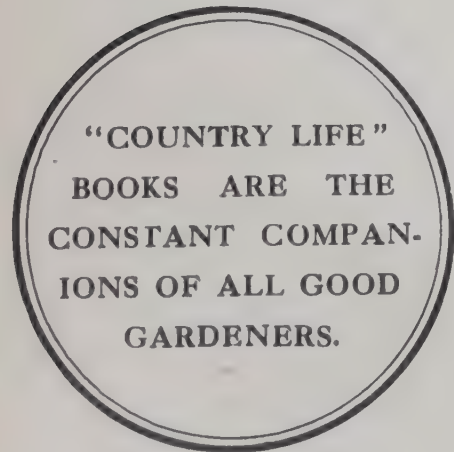
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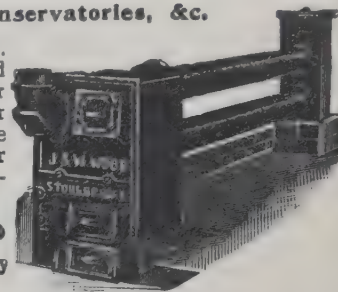
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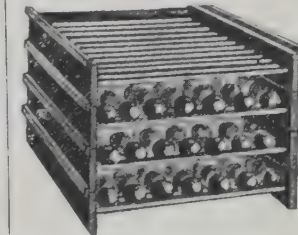
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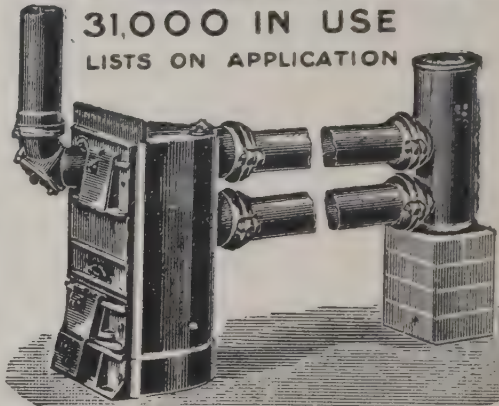
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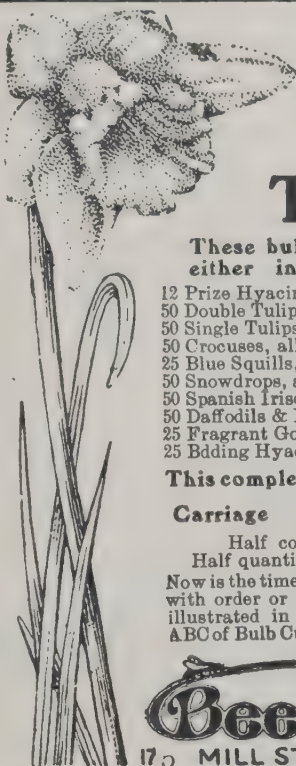
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**LILIAM AURATUM** (A. W.).—As much or more depends upon a good selection of the bulbs as upon any subsequent treatment, though good cultivation cannot be ignored. Get the best, i.e., the heaviest bulbs you can—not necessarily the largest—and preferably of the variety known as L. a. platyphyllum. November or December will be quite early enough to get them, and they should be potted at once. Such bulbs as we have in mind would require 6-inch pots. The compost should consist of loam, three parts, with leaf-soil and well-decayed manure equally for the other part. Add sharp sand liberally. In potting, arrange a perfect drainage and insert the bulbs half way down the pot. When potted, place the bulbs in a cold frame, and plunge the pots in a good depth of ashes or fibre. On no account should the bulbs be watered at potting-time; indeed, water may be withheld till growth is apparent, when the pots may be taken out of the plunging material. At this time the plants may be removed to a cool greenhouse, so that as steady a growth as possible may result. On sunny occasions the plants may be syringed freely. At all times water should be applied with care and intelligence. Much artificial heat should not be given, while forcing is usually prejudicial to their well-being. Keep the plants quite free from insect pests.

**SMALL FLOWERS ON SWEET PEAS** (R. H. L., Fife).—As your stems, leaves and haulm are all of good size, it is somewhat puzzling to hear that the flowers are small, though it rather points to some manurial constituent lacking in the soil—possibly potash. The thorough preparation of the soil by trenching and manuring is the only royal road to the successful culture of Sweet Peas. This should be done during the winter or very early spring months, two or three spits deep, according to the nature of the soil, giving a good dressing of farmyard manure as the work proceeds, not leaving it in layers, but thoroughly mixing it in the lower spits. Soot, wood-ashes and bone-meal should be added to the top spit, leaving the surface rough to allow the frost and wind to sweeten it. At the time of planting in the spring, a little superphosphate may be worked in where the rows or clumps are to come, but a heavy dressing is not necessary where bone-meal is used. By carefully breaking up the soil, firm planting, and giving no further manure till the plants commence blooming, you should get flowers quite proportionate to the strength of the haulm. Feeding with liquid manure or artificial manure may be necessary after the plants have been flowering a week or two, but you must be guided entirely by the strength of the plants and the weather conditions at the time. All the varieties you grow are very good, but we might suggest your trying Helen Chetwynd Stapleton, Robert Sydenham and President in the places of Nos. 1, 2 and 6. Not that these are larger in the bloom, but the colours are rather more striking, and in your locality should do well.

**IMPROVING A LAWN** (A. B. R.).—It is invariably somewhat difficult and not a little risky to advise on the treatment of lawns, other than in a general way, without seeing them, since circumstances differ so materially. In the present instance you refer to lawns "weedy," "mossy," "dried up in summer," and generally struggling at other times. For the weeds there is but one remedy, viz., eradication, and it may be easy or difficult to get rid of Plantains, Daisies and other things, just as in proportion these may have seeded for one year or fifty before the turf was laid. Certain classes of weeds are indigenous to certain soils, and in such cases eradication is next to impossible. With respect to the two classes named, however, it would be best to spud them out, though more drastic measures would have to be taken with the running weed, whatever it is. "Sussex Weed"—if that is the name you give—we know nothing of. "Mossy" lawns or patches usually result from excess of moisture and bad drainage. Rake out the moss, remove the cause, and later dress with lawn sand. For lawn poverty there is but one obvious remedy, and much might be done by an application of rich, finely sifted loam and well-decayed manure in equal parts, applied in November, with a good dressing of some approved lawn manure in February or March. The patches created by the weeding may be repaired by turf or by sowing seeds. As you are aware the soil is poor, the feeding of the lawn should be persisted in periodically till improvement is observed, and by beginning in autumn much might be done before the arrival of the summer of 1916. As you expect to be in a position next year to water the lawn, a light sprinkling of lawn manure every few weeks in advance of one of those waterings might prove beneficial. Rolling the lawn, under normal conditions, is excellent, but with the treatment suggested it would not be advisable.

## TREES AND SHRUBS.

**INJURY TO FIR TREE** (Mrs. L. B.).—1. The Fir is attacked by an insect allied to the green flies, called *Chermes abietis*. This insect spends the summer on the Larch, and the females leave the Larch and lay their eggs on the Fir, which induces the formation of the curious swellings or galls to which you call attention. Under the scales of these galls the females are protected, and therefore nothing can be done (unless the tree is very small) to destroy the pest while here. If this is the case, picking off the little galls would reduce the pest very much; otherwise the only thing to do is to spray the Larches during the summer with a nicotine wash. 2. The fruit sent is from the Japanese Quince, *Pyrus japonica*, or *Cydonia japonica* as it is more correctly called. These fruits, like other Quinces, make delicious jelly, although they are not palatable when fresh picked.

## ROSE GARDEN.

**A CURIOUS ROSE** (Mrs. Hunt).—The variety is known as *Viridiflora*, or the Green Rose. It belongs to the China or Monthly Roses, and has undoubtedly been sent you in error for one of the ordinary Monthly Roses. One plant of this in a garden is quite enough, as it is merely a curiosity and possesses little or no beauty. Another year you could bud a good sort on to the young growths.

**NINE BEST CLIMBING ROSES FOR EAST FENCE** (W. L. A.).—The following are all perpetual-flowering varieties, and we think a good representative selection. If you plant as named, you will produce a nice effect. Hugh Dickson, Snow Queen, Lady Waterlow, Danæ, Florence H. Veitch, William Allen Richardson, Grüss an Teplitz, Bouquet d'Or and Frank Roth.

**TWENTY-FOUR GOOD EXHIBITION ROSES** (Suburbite).—Some show Roses are very full and difficult to open well, especially in damp weather. Try shading with Rose shades, or plant the Roses against a low wall. Excluding the kinds you have, we can recommend the following: Mayflower, Caroline Testout, Florence Pemberton, Gloire de C. Guinoisseau, Lady Ashtown, Mrs. A. E. Coxhead, Mrs. Amy Hammond, Mrs. T. Roosevelt, William Shean, Ulrich Brunner, Molly Sharman Crawford, Mrs. Myles Kennedy, Coronation (Hybrid Perpetual), Duchess of Westminster, Mrs. George Shawyer, Lady A. Stanley, Mabel Drew, Margaret, Mrs. E. J. Holland, Mrs. Walter Easlea, Mrs. D. McKee, Ophelia, Pharisæer and Walter Speed.

**ROSE FOLIAGE DISEASED** (Lady Barron).—This has been a very bad season for black spot, a disease your plants have contracted. The foliage is immense, and indicates a rather too lavish use of fertilisers, which may be a contributory cause of the fungus appearing. We should advise you to replant them any time now, taking care to well trench the soil and mix some lime with it. Prune back the growths to about 15 inches, and remove and burn all the foliage. Replace any sickly looking plants with new bushes. As a precaution another year, spray with Bordeaux mixture, the first spraying after pruning in spring, and continued at frequent intervals, but not too severely, as we fancy too drastic dressings of insecticide when they are washed into the soil by rain cannot but be harmful to Rose plants.

## FRUIT GARDEN.

**APPLES ROTTING ON THE TREE** (W. L. Taylor).—Your Apples are allowed to hang too long so as to become over-ripe. Pick them and use them early, as they are not of a long-keeping variety.

**POOR FLAVOUR IN PEARS** (X.).—Clapp's Favourite is never very good in flavour, but the other varieties should be good, and we advise you to lime the soil. This will improve the quality.

**SEEDLING PEACH TREES RAISED FROM STONES** (Tim).—Peach trees may be successfully grown as cordons. They stand spare pruning very well. Your seedlings would do better and fruit earlier if grafted on the Plum stock, but this is not necessary if you prefer to grow them on their own roots.

**APPLES FALLING** (Ribbles).—It sounds very much as if the dropping of the fruit was due to the effect of the Codlin moth. It has done fearful damage among Apples this year; or it may be due, as you suggest, to too heavy a crop. Examine your fruits, and if you find they are grub-eaten, you may depend that the above moth is responsible. The best way to prevent an attack of the moth is to grease-band your trees at the end of next month.

**SELECTION OF PEACHES UNDER GLASS** (H. S. K.).—The following Nectarines are excellent and have orange or red flesh: Darwin, orange flesh, medium late; Humboldt, orange flesh, medium late; Pitmaston Orange, orange flesh and early; Spenser, red, large and fine, second-early. Peaches.—The best of these have white or yellow flesh. Our selection of three would be: Early Rivers, first-early; Peregrine, midseason; Late Devonian, late. The varieties you have are good, and we should advise further trial before doing away with them.

**GOOSEBERRIES DISEASED** (Reader).—Your Gooseberries appear to be very badly attacked by aphides. It is not likely you will be able to do much this autumn, but prune the bushes thoroughly in winter and burn the prunings. Then, in spring, as soon as the buds burst, watch for the first appearance of the pests and spray the bushes with Quassia and soft soap, MacDougal's "Katakilla" or some similar aphid wash. Many of those which attacked your plants have been destroyed by some parasite—apparently a fungus—and no doubt this will impose a considerable check upon them.

**PEAR DISEASED** (J. A. B.).—The Pear is attacked by two diseases, both of which may be controlled by the same means. The cracking of the fruit is due to the attack of the fungus *Fusicladium pirinum*; the grey spots which have developed later are the spore masses of the fungus of brown-rot, *Sclerotinia fructigena*. During the winter all spurs which show cracks in the bark should be removed when pruning. Just before the buds burst, again when the petals have fallen, and again about the first week in June, the trees should be sprayed with Bordeaux mixture. This, with the destruction of diseased spurs, should give you a crop free from disease.

**GRAPE MADRESFIELD COURT NOT COLOURING** (S. S.).—Growers of this grand Grape should always bear in mind that it is one of those Grapes which succeeds best under what is termed cool treatment, delighting in more air than most Grapes, especially during the time the process of colouring is going on. It is the lack of free

ventilation more than anything else at this time which is responsible for Grapes not colouring well (unless the Vines have been cropped too heavily; that is always a fatal cause). In cold weather it is not possible to ventilate freely, unless a fair amount of heat is sustained in the hot-water pipes to keep the air moving, and this we should advise to be done, rather than bar the Vine from sufficient ventilation. This is essential to the proper colouring of the fruit, as well as to prevent the berries from splitting, as they are prone to do also at this stage. The border treatment we think is excellent.

**RASPBERRY CANES DISEASED** (Fourwinds).—The Raspberry canes are attacked by the fungus *Hendersonia rubi*, which you will find producing pale patches on the bark, the latter having black spots upon them. All such canes should be pruned out, and the remainder of the plants should be sprayed with Bordeaux mixture now, and again in the spring. The Pears are attacked by the fungus *Fusicladium pirinum*, which is causing the cracking. The shoots are also likely to be attacked by this fungus, and during the winter pruning it would be well to cut out all spurs in which the bark is cracking. The trees should be sprayed with copper sulphate (1lb. to 25 gallons of water) during winter, and with Bordeaux mixture just before the buds open, again after the petals fall, and again in mid-June.

**CORROSION ON GRAPES** (Grapes).—The Grapes were unripe, partly decayed, and detached from the bunch on arrival, so that it is not easy to recognise the variety. However, we are satisfied that it is Mrs. Pince; certainly not Gros Colmar. The disease from which your Grapes are suffering is what is termed "rust," after the rusty appearance of the berries. It nearly always attacks the berries about the time they are thinned, and the cause is attributed by many to rubbing the berries with the hair or hands in carrying out that operation; others attribute the cause to cold draughts of air incautiously admitted at this stage of the Vine's growth, when the surface of the Grapes is tender and sensitive. We incline to this latter belief. The variety is a Muscat, and, like Muscat of Alexandria, enjoys more heat in its culture than do most other Grapes. Bear this in mind next spring. Do not give front air at all until some time after the process of thinning is completed; the temperature can be regulated by the use of the top ventilator alone. We ought to say that this variety, in our experience, is much more subject to attacks from this disease than any other.

**APPLE AND PEAR TREES NOT FRUITING** (H. P. Boyce).—(1) The name of the Pear is unknown. The best thing for you to do with this tree is to take it up and replant early in November, selecting a time when the weather is dry, adding a bushel of new turfy loam to the soil, also a light scattering of bone-meal. Cut back all the strongest roots to within 2 feet of the base of the tree. All the remaining roots should have a few inches of the tip ends cut off. Replant immediately, taking special care not to plant too deeply (the top roots should not be more than 4 inches below the surface of the soil). Spread out the roots and add soil to them carefully with your hands, pressing it firmly to them. When planting is finished, tread it firmly down and add a dressing of decomposed manure, 4 inches deep, to the surface of the soil as far as the roots extend. This will check the too luxuriant growth of branches and leaves, and encourage the formation of fertile blossom and fruit buds. (2) The above remarks apply to the standard Apple tree. (3) As regards the trained Apple tree on wall, seeing that it fruited well last year, we think it will be better to let well alone. It is not unusual for trees to bear well one year and not another, especially if too heavily cropped. See what fruit comes on next year.

**PEARS ATTACKED** (A. B. Walford).—The Pear midge is a small two-winged fly which lays its eggs in the Pear flowers (and perhaps also on the buds). The grubs eat their way into the developing Pears and inhabit them in considerable numbers, as you have seen. The best means of checking the pest is the one you have adopted—the picking off of the attacked fruits and their destruction by fire before the grubs drop to the earth to pupate. This happens about the beginning of June or the end of May, and thus affords another means of checking the pest, which is to take away some of the earth to the depth of 3 inches or 4 inches, which contains the pupæ, and burn it during winter. It is in the spring, when the flies which produce the eggs appear, that the pest spreads from tree to tree. The cracking is due to the attack of the Pear scab fungus, *Fusicladium pirinum*. There is no mildew present, the light appearance being the result of active growth of the *Fusicladium*. To get the better of this fungus, the trees should be carefully searched for shoots and spurs with cracked bark, which should be pruned away and burned. The trees should then be sprayed with Bordeaux mixture just before the buds open, again as soon as the petals fall, and again about three weeks later. This will usually keep the trees almost free from the trouble, and, if persisted in, one may expect 95 per cent. of the Pears to be good and marketable so far as this disease is concerned.

**NAMES OF APPLES AND PEARS, AND WHEN TO GATHER THEM** (Inglewood).—1. Marie Louise.—October and November, uncertain cropper. 2. Urbaniste (?). 3. Glou Morceau.—December to February, excellent bearer in favourable situation. 4. Marie Guise (?).—Old variety, of which little is known. 5. Belle Julie.—October and November, productive and reliable, of good flavour. 6. Josephine de Malines.—January and February, medium, a delicious late Pear. 7. Doyenné du Comice.—November, vigorous growth, moderately fertile, gather rather before ripe. 8.—Small and very deformed fruit, cannot name. 9.—Too poor to recognise. 10. Beurré Baltet Père.—



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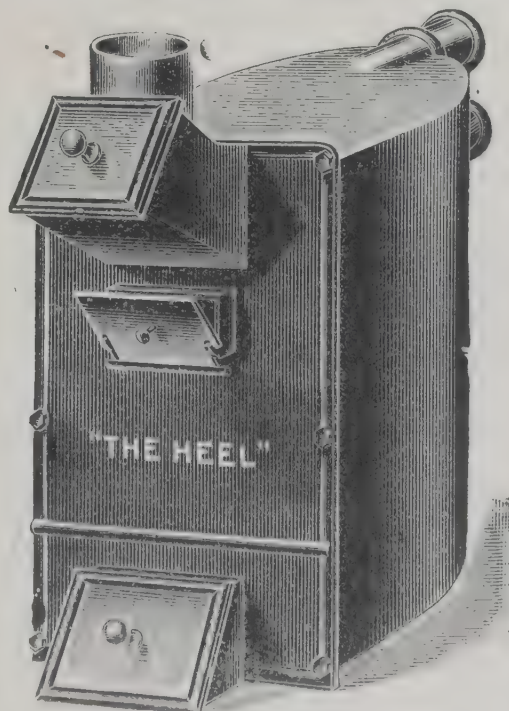
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November, a fine bearer and of good quality. 11. Petite Marguerite.—August, prolific bearer, richly flavoured. 12. Winter Nelis.—November to January, growth moderate, fertile, requires warm wall. 13. Jargonelle.—August, a vigorous grower, should be gathered before it parts readily from the tree, or it will decay. 14.—Small, not in character. 15.—Not recognised. 16. Beurré de Capiaumont.—October, free bearing, good market Pear. 17. Louise Bonne of Jersey.—October, good cropper, excellent for pot culture, delicious flavour. 18. Old Bergamotte (?).—Old variety, not very much known. 19. Broom Park (?).—Variety which cannot be traced. 20. Beurré Giffard.—August, weak and irregular grower. 21. Buerré Diel.—October and November, vigorous, fertile. 22. Hawthornden.—October to December, large, free and good, a most desirable Apple. 23. Tom Putt.—October and November, good and constant bearer. 24. Cox's Orange Pippin.—November to January, growth and fertility moderate, of the highest flavour. 25. Seaton House (?).—December to February, profuse bearer. 26. Lady Henniker.—November to February, growth vigorous, fertile, excellent cooker. 27. King of the Pippins.—October to December, growth moderate, fertile, good flavour. 28. Worcester Pearmain.—September, very regular bearer, valuable for market. 29. Improved Keswick Codlin.—August and September, a good bearer.

### KITCHEN GARDEN.

**POTATOES DISEASED (G. S.).**—The exact method by which the ordinary Potato disease reaches and attacks Potato tubers is unknown, but it is probably by spores falling from diseased haulms and germinating in the tubers in most instances. Tubers apparently free from disease when clamped often rot owing to its development and the subsequent attack of other fungi or bacteria.

**SCARLET RUNNER BEANS RUNNING TO SEED (Lady Wedderburn).**—Usually such Beans are allowed to ripen their seeds, which are used for sowing the following year. However, it is now too late for these to ripen. It would be interesting to find out by cooking whether they are of any value as food in this condition. We can see no reason why they should not be, but we have no evidence one way or the other. Generally, when in this condition, they are boiled down, mixed with meal, and given to poultry or pigs.

**TOMATO ROOTS CLUBBING (T. M.).**—The cause of the clubbing of Tomato roots is the attack of eelworm (*Heterodera radicola*) upon them. The eelworm gets into the roots from the soil, and no cure is possible, although top-dressing with good fresh soil may induce the plants to send out fresh roots and give you a partial crop. Before Tomatoes are planted in the soil again, either the whole of the soil must be removed from the house and replaced with fresh, or it must be steam sterilised, otherwise the recurrence of the trouble is certain. Cucumbers, Melons, Figs, Ferns and a variety of other plants are liable to attack.

**FAILURE IN GROWTH OF ONIONS AND CARROTS (Ribble).**—Onions succeed best on land which has been trenched and heavily manured for a previous crop, such as Celery. All it requires then is single digging and treading down firmly on a dry day before sowing the seed. The only way of preventing the Onion fly attacking the young plants is by sprinkling the ground and the plants over lightly with soot, lime and nitrate of soda (ground down to dust). Apply a light dressing before the young plants are up, and afterwards about every ten days until danger of an attack is over, as soon as they begin to bulb. The way you suggest would answer very well. Sow in small pots singly in February, grow in a cold frame, and plant out at the end of April. The cause of your Carrot crop failing must, we think, be due to the want of air and light. Carrots should not be grown between rows of Peas. Seeing that your land is light, with a sandy subsoil, Carrots should do very well, provided the soil has been heavily manured for a previous crop. Trench the soil deeply this autumn for next year's crop and select an open position. To prevent fly, treat as in the case of the Onion.

### MISCELLANEOUS.

**AZALEA INDICA DISEASED (Miss Pretyma).**—The Azalea indica is attacked by the fungus *Exobasidium japonicum*, which produces galls on leaves and buds, which it destroys. It is forming numerous spores (the white powder which covers the gall) now, and these will be likely to spread the disease to other plants of Azalea and to other parts of the same plant. It would, therefore, be well to remove and burn all the affected leaves.

**INSECT PESTS IN THE SOIL (E. B. W.).**—The little pests are millepedes. These creatures often abound in old garden soils which have received liberal dressings of farmyard manure year after year, and the best means of improving the conditions for the plants and discouraging the millepedes is to dress the soil with lime. Ground unslaked lime is best, and it may be dusted on and forked in now while the beds are empty, and planting may be done within, say, a month. We do not recommend you to use gas-lime, even if you can get it.

**VARIOUS QUESTIONS (A. G. S.).**—It is natural for the leaves of Ribes sanguineum to turn brown early, especially if there has been a dry period during summer; frequent watering will assist them to keep their colour. The Guelder Rose will flower better as it advances in age, also the Lilacs. They will probably, however, flower better next year than they have done this year, for last year's growth may not have been very good after the plants were disturbed. You cannot do better than leave your Madonna Lilies alone, they will probably grow quite well again, and they do not like frequent disturbance. Lily

of the Valley may be planted during October or November. It often gives the best results when planted in a north aspect or in a place shaded from bright sun.

**NAMES OF PLANTS.**—*Rea*.—1, *Caryopteris Mastacanthus*; 2, *Abelia grandiflora*; 3, *Podocarpus chilina*.

## SOCIETIES.

### HIGHCLIFFE GARDENERS' ASSOCIATION.

At the October meeting of the members of this association Mr. James Murray, head-gardener, Sopley Park, Christchurch, gave a very instructive lecture on "Wall Fruit Culture." E. Huntly Hooper, Esq., J.P., the president, occupied the chair. Mr. Murray did not go into exhaustive detail in dealing with his subject, but made special reference to sites for kinds, planting, pruning, training and storing of the crops. He said Plums did well on west walls, Peaches and Nectarines on south, Pears on east, and Plums and Cherries on north walls. A depth of 18 inches of good loam was sufficient, and where heavy soils obtained, a thick layer of broken bricks should be laid under the border soil; but such drainage material was not necessary in the case of soils that were of a light nature or which had a gravelly subsoil. November he considered the best month in which to plant. The best-shaped trees were those resulting from specimens cut back to within a foot of the base of each branch at the time of planting. The branches should not be made secure to the wires before the roots had settled firmly in the soil. Root-pruning as soon as the leaves had fallen was essential in the case of trees making too luxuriant growth, which was not fruitful. Mulching after planting prevented undue evaporation of moisture and greatly assisted the new roots in their growth. Summer pruning was beneficial. Light and air were admitted freely afterwards, and the retained branches and buds matured. Thinning of fruits was most essential where high-class fruits were required. The lecturer gave a list of varieties suitable for the different aspects, and replied to many questions. An opinion was expressed that the branches should be cut back some weeks after planting, and not at the same time.

A handsomely framed photograph of the president and members, taken on their visit to Shelley Hill on August 25, was presented to Mr. Hooper at this meeting as a memento of their visit. The president warmly thanked them, and assured them of his interest in their association and horticulture generally.

### SCOTTISH HORTICULTURAL ASSOCIATION.

The monthly meeting of this association was held in the Hall, 5, St. Andrew Square, Edinburgh, on the evening of October 5. The president, Mr. W. G. Pirie, Dalhousie Castle Gardens, occupied the chair. There were several interesting exhibits, including those which illustrated the lecture. Among them the following were of special interest: A large collection of Ornamental Gourds, Aubergines, Capsicums, &c., sent by the Edinburgh Parks Department through Mr. J. W. M'Hattie, the Superintendent of the City Parks; and Chrysanthemum White Harry, shown by Mr. P. Wilson, Springbank Nursery, Musselburgh. The Parks exhibit received a well-deserved cultural certificate, and an award of merit was bestowed on the Chrysanthemum.

The lecture of the evening was given by Miss Burton, New Saughtonhall Gardens, Polton, the subject being the Brassicae. Miss Burton, who is well known as a practical horticulturist and as a valued worker on behalf of the association, gave an excellent paper on the various vegetables belonging to the Brassica family. A brief but excellent survey of the history of the various sections of this at the outset of the paper was followed by an able review of the cultural requirements. Liberal manuring was strongly advised, and the importance of seed selection was most strongly urged. A number of exhibits of the different vegetables considered in the paper formed an interesting and valuable feature. The paper was well received, and Miss Burton was accorded a most hearty vote of thanks for her practical and thorough review of her subject.

### United Horticultural Benefit and Provident Society.

The monthly meeting of this society was held at the Royal Horticultural Society's Hall on Monday, October 11, Mr. Arthur Bedford in the chair. One new member was elected. One member was allowed to withdraw £1 from his deposit account. The death certificates of four old members were received, and the sums of £39 1s. 9d., £27 10s., £13 2s. 3d. and £9 14s., respectively, were passed for payment to their nominees. Two Army forms were also received notifying the society of two young members who had been killed on the field of battle; and the sums of £11 17s. 1d. and £1 17s. 7d. were passed for payment to their nominees. The sick pay for the month on the ordinary side amounted to £43 1s. 8d., on the State Section to £19 15s. 6d., and maternity claims to £6.

### Shows of Forced Spring Bulbs and Daffodils.

The Council of the Royal Horticultural Society offer, subject to its general rules, the following prizes presented to them by an old friend of the society, Mr. G. H. Van Waveren of Hillegom, as a token of his interest in Hyacinths and in the Royal Horticultural Society's Forced Bulb Shows. He feels his advancing years make it uncertain whether he will again attend these shows. The show will be held on March 14 and 15, 1916. For amateurs.—Class 2, twenty-four Hyacinths, eighteen distinct varieties: First prize, £5 5s.; second, £3 3s.; third, £1 11s. 6d. Class 3, twelve Hyacinths, distinct: First, £3 3s.; second, £2 2s.; third, £1 1s. Class 4, six Hyacinths, distinct: First, £1 11s. 6d.; second, £1 1s.; third, 10s. 6d. Class 5, six pans containing Hyacinths, ten roots of one variety in each pan. The blooms of each pan to be of distinctly different colour from those of the other five pans; the bulbs need not have been actually grown in the pans. First, £5 5s.; second, £3 3s.; third, £1 11s. 6d. Class 6, the finest decorative display of Hyacinths, to be staged on the floor: First, £5 5s.; second, £3 3s.; third, £1 11s. 6d. Regulations.—For Classes 2, 3 and 4 each bulb must be in a separate pot (size optional). Classes 2, 3, 4 and 5 must be all single spikes; no spikes may be tied together. Exhibitors may only compete in one of the Classes 2, 3 or 4. All bulbs must have been forced entirely in Great Britain or Ireland. All varieties should be correctly named. Points will be deducted for all incorrect names. The Daffodil Show is fixed for April 18 and 19, 1916. The show schedule may now be had on application to the Secretary, Royal Horticultural Society, Vincent Square, Westminster, S.W., accompanied with a stamp addressed foolscap envelope.

### TRADE NOTE.

#### A USEFUL CATALOGUE OF ROSES.

THE recently published catalogue and guide by Mr. E. Percy Smith, 13, Witham Place, Boston, Lincs, is an endeavour to describe frankly, faithfully and accurately the main faults as well as the good qualities of most of the varieties worth cultivating, in order to assist amateurs in their selection when purchasing, and in avoiding those varieties which are unsuitable for garden culture. The catalogue is unique, and should prove helpful to many.

#### CATALOGUES RECEIVED.

Thomas S. Ware, Limited, Feltham, Middlesex: Fruit Trees, Bulbs, Roses, Shrubs, &c.  
Maurice Prichard, Christchurch, Hants: Herbaceous and Alpine Plants, Aquatics, Shrubs, Climbers, Hardy Ferns, &c.  
Daniel Brothers, Limited, Norwich: Bulbs, Flower Roots, Fruit Trees, Roses, &c.  
William Samson and Co., 8 and 10, Portland Street, Kilmarnock: Dutch Bulbs and Flower Roots.  
R. Veitch and Son, Exeter: Fruit Trees, Roses, Dutch Bulbs and Flower Roots.  
Frank Dicks and Co., 110, Deansgate, Manchester: Bulbs and Roses.  
W. Drummond and Sons, Limited, 57 and 58, Dawson Street, Dublin: Flower Bulbs.  
M. H. Sinclair, 156A and 156B, Union Street, Aberdeen: Bulbs, Flower Roots, &c.  
J. Cheal and Sons, Limited, Lowfield Nurseries, Crawley, Sussex: Trees, Shrubs, Roses, Fruit Trees, &c.  
Philip Le Cornu, The Jersey Nurseries, Jersey: Fruit Trees and Roses.  
W. H. Collins and Sons, Thurmaston, Leicester: Roses.  
Barr and Sons, King Street, Covent Garden: Bulbs, Gold Medal Daffodils.  
George Cooling and Sons, Bath: Bulbs.

### FORTHCOMING EVENT.

October 26.—Royal Horticultural Society's Exhibition of Flowers, Fruits, &c., 1 p.m. to 5 p.m. Royal Horticultural Hall, Vincent Square, Westminster, S.W.

\*\* The Yearly Subscription to THE GARDEN is: Inland, 6s. 6d.; Foreign, 8s. 9d.



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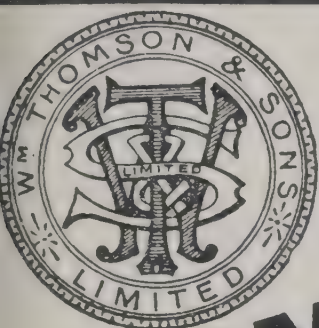
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ORCHARD AND WOODLAND

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**BUNYARD'S FRUIT TREES.**—Geo. Bunyard & Co., Ltd., have now dispatched their new Fruit Tree Catalogue to their customers. Should it have failed to reach any address, a copy will be sent by return on demand.—THE ROYAL NURSERIES, Maidstone.

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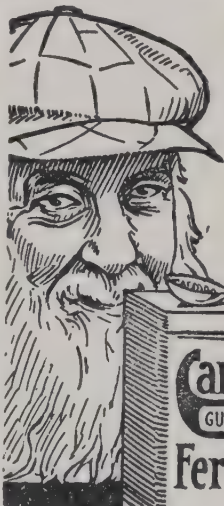
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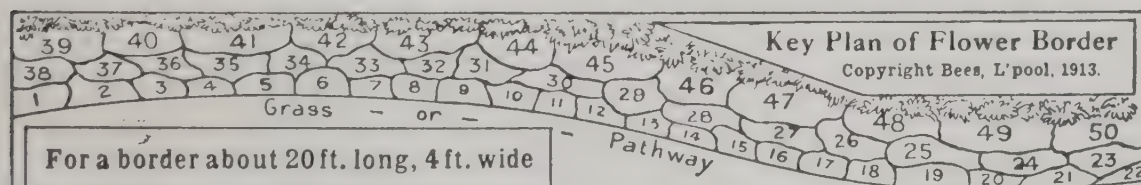
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Messrs. Hassall and Co., Southgate, had a grand lot of Cattleyas, including *Moiria rubra*, which gained an award of merit.

A silver Flora medal was granted to Messrs. Stuart Low and Co. for an interesting and well-grown collection, in which *Cattleya aurea* figured prominently.

A similar award was made to Messrs. J. and A. McBean, Cooksbridge, for a well-flowered group of Cattleyas that reflected great credit upon the cultivation given them.

Odontoglossums and Cattleyas in variety, including such choice forms as *O. crispum* Victoria Louise, *Cattleya Fabia* and *C. lucida*, were shown by Messrs. Charlesworth and Co., Hayward's Heath.

#### FLORAL COMMITTEE.

Present: H. B. May, Esq. (chairman), and Messrs. C. T. Drury, W. J. Bean, E. A. Bowles, J. Green, G. Reuthe, R. W. Wallace, J. W. Moorman, J. F. McLeod, W. Howe, J. Jennings, C. R. Fielder, T. Stevenson, R. C. Reginald Neville, H. J. Jones, C. Dixon, J. Dickson, F. Page-Roberts, C. E. Shea, J. T. Bennett-Poë, C. E. Pearson, W. P. Thomson, E. H. Jenkins and G. Paul.

Messrs. W. Cutbush and Son, Highgate, showed the white *Erica nivalis* and the pink *E. gracilis* in a collection of greenhouse subjects.

Some delightful single Chrysanthemums were shown by Messrs. Godfrey and Sons, Exmouth, and of them Exmouth Yellow, Scarlet Glow, Standard (deep red) and Mrs. Harold Phillips (bright pink) were the most striking.

Very effective indeed was the extensive display of Chrysanthemums and Michaelmas Daisies from Messrs. H. J. Jones, Lewisham. Pink Chrysanthemums and blue Michaelmas Daisies together in large epergnes formed a most pleasing combination of colour. Of the large show Chrysanthemums, Mrs. Kinsey (white) and Bob Pulling (yellow) were the pick.

There were many beautiful Chrysanthemums in the group shown by Messrs. W. Wells and Co., Merstham, Surrey. A new Japanese variety, General Smith-Dorrien, gained the coveted award of merit; while Champagne, Carrie, Almirante and Dragon were the best of the smaller-flowered varieties.

Mr. L. R. Russell, Richmond, showed trees and shrubs in variety. *Vitis Thunbergii*, *Elaeagnus macrophylla* and *Garrya elliptica* fœmina were not the least interesting.

Messrs. R. W. Wallace and Co., Colchester, displayed an exhibit of rock and other shrubs, the first time, so far as we remember, that this firm has concentrated its attention on an exhibit of this kind. Many good things were on view, the best of them being the *Pernettyas*, with white, red and other coloured berries; *Cotoneaster frigida montana*, full of scarlet fruits; *Berberis Wilsonæ*, perhaps the best of the scarlet-fruited shrubs of autumn; and *Stransvesia undulata*, also full of scarlet fruits, and a most important plant. *Juniperus virginiana globosa* nana, a pretty squat bush of high ornament; *J. v. g. aurea*, of similar habit, but of golden hue; *J. procumbens*; *J. alpina*, glaucous and russety in tone; and *Berberis steppiana*, which is also of high importance among rock and border shrubs, were also shown. In addition, there were Heaths, *Veronicas*, *Cotoneaster*, *Rosmarinus Robinson's Variety*, *Berberis verruculosa*, and many other plants of merit and interest.

The Misses Hopkins, Shepperton-on-Thames, showed a small collection of alpine in boxes.

Sweet Violets in variety from Mr. J. J. Kettle, Corfe Mullen, near Wimborne, Dorset, were a great attraction, Marie Louise, Mrs. J. J. Astor, Mrs. L. L. Kettle, Ascania and La France being among the more important in a very charming lot of flowers.

Messrs. Stuart Low and Co. showed Carnations and winter-flowering Begonias in variety. Of the former, Pink Sensation and Alice were two of the very best. Of the Begonias, Optima was perhaps the pick of them.

Mr. J. B. Riding, Chingford, exhibited a collection of Dahlias, many sections of the flower being well represented. Brentwood Yellow and E. Chevalier were two quite distinct sorts.

Mr. G. Reuthe, Keston, had some interesting hardy things, of which *Crocus species*, *Desfontainea spinosa* and *Nerines* were very beautiful.

Mr. Norman Davis, Framfield, showed Chrysanthemums of a high order of merit; his two best will be referred to next week among "New and Rare Plants."

Messrs. H. B. May, Edmonton, showed nice plants of Begonia Agatha, B. Mrs. Leopold de Rothschild and others, together with a collection of Polypodium vulgare in variety, of which *P. v. cambricum*, *P. v. trichomanoides* and *P. v. cambricum* Prestonii were important and good.

Carnations were again shown by Messrs. Allwood Brothers, Hayward's Heath, a good collection of the old standard sorts being exhibited.

Messrs. Piper, Bayswater, contributed a table of shrubs, *Pernettyas*, *Aucubas* and the like.

For the time of year Messrs. Carter Page and Co.'s Dahlias were very bright indeed. The London Wall firm showed the Dahlia in its many types. The Cactus-flowered F. W. Fellowes, Ethel and Coronation were much admired.

Autumn tints were well represented in the group of shrubs shown by Messrs. Cheal and Sons, Lowfield Nurseries, Crawley. *Rhus Cotinus* and *Rhus japonicus Osbeckii* were bright crimson. Scarlet Oaks, Cockspur Thorns and Golden Elms were all shown to advantage.

#### FLORAL COMMITTEE'S AWARDS.

**First-class Certificate.**—*Scolopendrium vulgare crispum speciosum*, from W. B. Cranfield, Esq.

**Awards of Merit.**—Japanese Chrysanthemum Charolette E. Loer, from Martin Silsbury, Esq., Shanklin; single Chrysanthemum Bertha Fairs and Decorative Chrysanthemum Market Bronze, from Mr. Norman Davis, Framfield; Japanese Chrysanthemum General Smith-Dorrien and Carnation Aviator, from Messrs. Wells and Co., Merstham.

**Silver-gilt Banksian Medal.**—Messrs. H. J. Jones, Lewisham, for Asters and Chrysanthemums.

**Silver Flora Medals.**—Messrs. Carter Page and Co. for Dahlias; Mr. L. R. Russell for ornamental shrubs; Messrs. R. Wallace, Colchester, for shrubs; and Mr. Norman Davis, Framfield, for Chrysanthemums.

**Silver Banksian Medals.**—Messrs. J. Cheal and Sons, Crawley, for autumn foliage; Messrs. Stuart Low and Co. for Carnations and Begonias; Messrs. H. B. May and Son for Begonias and Ferns; Messrs. W. Wells and Co., Merstham, for Chrysanthemums; and Mr. James B. Riding, Chingford, for Dahlias.

**Bronze Flora Medals.**—Messrs. Allwood Brothers, Hayward's Heath, for Carnations; Messrs. W. Cutbush and Son for greenhouse plants; Messrs. J. Piper and Son, Bayswater, for Fuchsias and berried plants; Mr. G. Reuthe, Keston, for miscellaneous plants; and Messrs. Godfrey and Son, Exmouth, for Chrysanthemums.

#### WARGRAVE AND DISTRICT GARDENERS' ASSOCIATION.

ON Wednesday evening, October 6, a well-attended meeting of the above association took place, when the hon. secretary, Mr. H. Coleby, lectured on and showed how to analyse the soil. The chief plant foods found in the soil were described, and it was pointed out that their presence was necessary if good flowers, fruit and vegetables were to be obtained. Lime was shown to be indispensable, as no soil could carry out its proper functions without it. The judges awarded cultural certificates to Mr. Hancock of the Sunfield Nurseries, Twyford, for Pears, and to Mr. Doe, Parkwood, for Apples; while the American Corn Cobs shown by Mr. W. Clarke of Bear Hill Gardens were highly commended. It was finally decided to abandon the proposed Chrysanthemum show in November next. A new member was elected.

#### READING AND DISTRICT GARDENERS' ASSOCIATION.

THE fortnightly meeting of the above association was held in the Abbey Hall (by kind permission of Messrs. Sutton and Sons) on Monday evening, the 18th inst., the president, Mr. F. B. Parfitt, presiding over a good attendance of members. The subject for discussion was "Some Good Spring Flowers for the Open Garden," and was introduced in a very able manner by Mr. J. Crook of Camberley (late of Forde Abbey Gardens, Chard). The lecturer based his remarks upon economy in the garden during war-time, and strongly advocated the use of hardy plants grown from seed, making special reference to Wallflowers, Forget-me-nots, Daisies, Pansies, Violas, Polyanthus, Primroses, Alyssum, Arabis, &c. In pointing out their uses he touched upon the grouping of plants in borders, the marvellous change in gardening tastes in hardy plants during recent years, bulbs in conjunction with perennial plants, carpet bedding of years ago, rock gardening, colour schemes in the garden, &c. A good discussion followed.

A magnificent show of fruit, vegetables and flowers was brought together by various members, and provided a great deal of interest and favourable comment. The palm certainly went to Mr. A. H. Fulker, The Gardens, Elmhurst, for a fine collection of Apples and Pears, among which the following varieties were staged to fine advantage: Apples—Cox's Orange Pippin, King of the Pippins, Peasgood's Nonsuch, Warner's King and Cox's Pomona. Pears—Pitaston Duchess, Louise Bonne of Jersey, Doyenné du Comice, Bickling, Beurré Superfin, Doyenné Boussoch and Uvedale's St. Germain. The society's certificate was awarded to this exhibit. Mr. F. Townsend, Hillside Gardens, had dishes of Pitaston Duchess and some splendidly coloured Beurré Clairgeau Pears; Mr. F. B. Parfitt, five dishes of fruit; Mr. F. Campport, The Gardens, Hillington, three dishes of Pears; Mr. G. Tovey, Leighton Park Gardens, three vases of perennial Asters; while Mr. C. J. Hewlett of St. Peter's Road staged no fewer than forty-one varieties of Roses and several dishes of fruit. In the "Points" competition Mr. A. H. Fulker received 11 points for vegetables (Cauliflower and Savoys); Mr. E. Blackwell, The Gardens, Foxhill, 10½ points for Pears; Mr. H. Reeves, Blandford Lodge Gardens, 10½ points for Pears; Mr. C. Cripps, Sidmouth Grange Gardens, 9½ points for Potatoes.

**Mr. James Hudson, V.M.H.**—Deepest sympathy is extended to our esteemed contributor, Mr. James Hudson, V.M.H., Gunnersbury House Gardens, Acton, on the loss of his beloved wife. Mrs. Hudson, who was a great lover of flowers and much respected by all who knew her, passed away on the afternoon of the 21st inst. In respect for the wishes of the deceased, it is requested that no flowers be sent.

**Work on the Land for Disabled Sailors and Soldiers.**—The Departmental Committee appointed by Lord Selborne under the chairmanship of Sir Harry Verney, Bart., M.P., to consider what steps can be taken to promote the settlement on the land in England and Wales of sailors and soldiers on discharge from the Navy or Army, has presented an interim report recommending that as an experiment fifty men who have been discharged from the Navy or Army owing to disablement should be given a course of training in an agricultural college, with a view to obtaining for them permanent employment on the land, and, in the case of those proving specially capable, fitting them to become occupiers of small holdings. This recommendation has been endorsed by the War Office, and the Treasury

have agreed to place funds at the disposal of the Board of Agriculture and Fisheries to defray the cost of the experiment. It is proposed that the men selected shall be sent to the Harper Adams Agricultural College, Newport, Salop, and to the College of Agriculture and Horticulture, Holmes Chapel, Cheshire, where they will be provided with board and lodging, and be given a course of training in agriculture and horticulture free of charge to themselves. No deductions will be made from their disability pensions. In the first instance the course will extend over one term of about twelve weeks, at the end of which time those men whose conduct and work have been satisfactory, and who seem capable of succeeding as small holders, will be given a further course extending over two more terms, so that they may receive instruction in the whole cycle of agricultural and horticultural operations. There should be no difficulty in obtaining satisfactory employment on farms for those men who are not retained for more than one term. During the course the men will be under the control of the Principal and subject to the ordinary rules of the college. Any men who have been discharged from the Navy or Army on account of disablement and who desire to receive this course of training should apply at once to the Secretary, Board of Agriculture and Fisheries, 4, Whitehall Place, S.W., for a form of application.

## OBITUARY.

### JOSEPH LAIDLAW.

A VENERABLE and highly respected inhabitant of Hawick passed away on October 19 in the person of Mr. Joseph Laidlaw, whose death occurred at his residence at West Stewartfield after a brief illness. Fond of outdoor life, his chief recreations were those of the field botanist and the horticulturist. He gladly covered considerable distances in quest of botanical specimens, and his outings in the immediate vicinity and further afield invariably added to his intimate knowledge of plants and plant life. His neat and well-appointed garden testified to his skill as an amateur gardener, and he was always interested in any rare flower or plant brought under his notice. He was an interesting conversationalist, and his kindly counsel, often sought, was freely given to old and young alike.

#### TRADE NOTE.

"HOW SHALL I HEAT MY GREENHOUSE?" THIS is the title given to a well-illustrated booklet just issued by Messrs. Charles P. Kinnell and Co., Limited, 65, Southwark Street, London. Without a doubt, a coke heater is far and away the most economical. The cost of working a gas boiler is always excessive, and only where flue difficulties arise is it at all advisable; while oil heaters, besides being extravagant, are invariably disappointing in maintaining even the most meagre temperature. To those who would know more of this subject we refer them to the above-mentioned makers of the Horse-shoe Boiler—a very efficient and economical boiler that burns from ten to twenty hours without attention.

#### SCHEDULES RECEIVED.

The Perpetual Flowering Carnation Society. Secretary, Mr. T. A. Weston, Floradale, Orpington, Kent. Scottish Horticultural Association. Secretary, Mr. Donald Mackenzie, 4A, St. Andrew Square, Edinburgh.

#### CATALOGUES RECEIVED.

Perry's Hardy Plant Farm, Enfield, Middlesex: Bulbs, Alpines and Perennials. Bees, Limited, Liverpool: Roses, Shrubs, Fruits, &c. Charles Turner, The Royal Nurseries, Slough: Roses. T. Turner, The Temple, Dale Street, Liverpool: Bulbs. James Cocker and Sons, Aberdeen: Roses. W. Wells and Co., Merstham, Surrey: Chrysanthemums and Perpetual-flowering Carnations. G. Gibson and Co., Leeming Bar, Bedale, Yorks: Fruit Trees, Roses, &c. Allwood Brothers, Wivelsfield Nurseries, Hayward's Heath, Sussex: Carnations.

\* \* The Yearly Subscription to THE GARDEN is: Inland, 6s. 6d.; Foreign, 8s. 9d.



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# GARDEN

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ORCHARD AND WOODLAND

VOL. LXXIX.—No. 2294.

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## BUNYARD'S FRUIT TREES.

Geo. Bunyard & Co., Ltd., have now dispatched their new Fruit Tree Catalogue to their customers. Should it have failed to reach any address, a copy will be sent by return on demand.—THE ROYAL NURSERIES, Maidstone.

## WATERER'S SALE NOVEMBER 16th, 17th,

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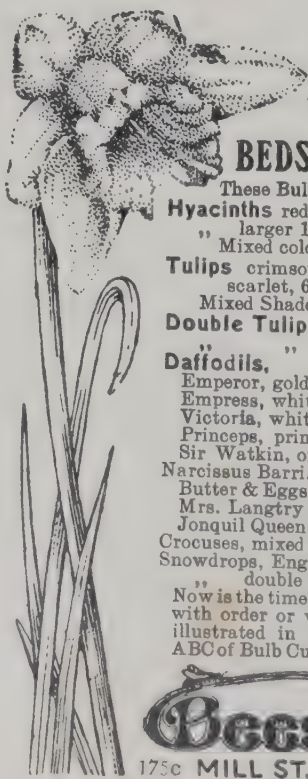
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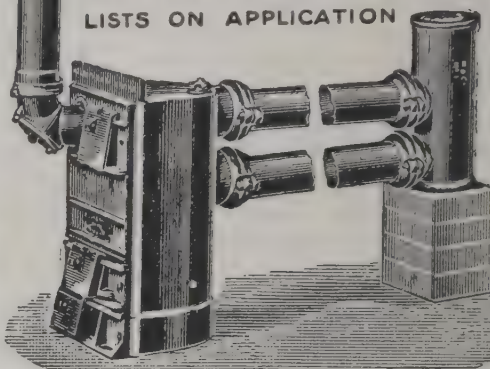
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**TRITOMA UVARIA GRANDIFLORA** (*Flaming Torch or Red-Hot Poker Plant*).—A splendid hardy summer and autumn flowering plant, producing magnificent spikes of rich orange-red flowers. A large specimen is very beautiful, with its many long, narrow, recurved leaves, which are crowned with long crowded spikes of fiery tubular flowers, borne high above the foliage on stiff, ramrod-like stalks. At a little distance the close heads of flaming orange and red flowers are very striking, and have earned the plant the common name of "Red-Hot Poker." 3 for 1/3; 6 for 2/-; 12 for 3/6.

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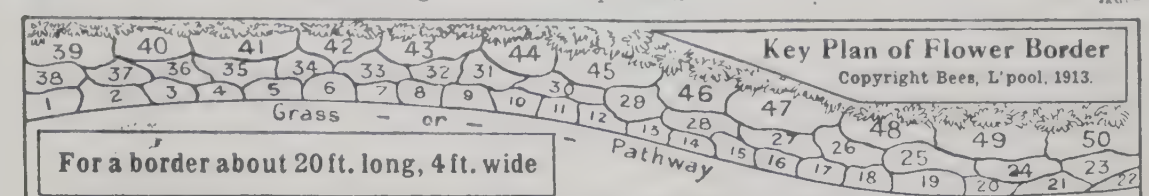
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## FRUIT GARDEN.

**STRAWBERRY-RASPBERRY NOT FRUITING** (*Mrs. M. Bruce*).—The sample stem growth sent is weak and puny, too weak to produce strong and fertile flowers. Cut down to the ground now all the old stems which should have fruited. Select five or six of the strongest canes of this year's growth (growing by the side of them) to take their places. If there are any left afterwards, cut them down to the ground and throw them away. Give the surface of the ground round the new canes a dressing of well-rotted manure 4 inches deep. The rain will wash the goodness of this down to the roots during autumn and winter. By this means the young canes of this year's growth (which should produce the fruit of next year) will be much strengthened, resulting, we hope, in good crops next year. If you have any manure water available, give the plant a good soaking occasionally.

**PEACH TREES ON OUTSIDE WALLS WITH DEAD BRANCHES** (*Mrs. M. Cudworth*).—The trees must have received a serious check from some cause or other. The best thing to do now is to cut out the dead wood and nail the young shoots of this year's growth loosely to the wall, in order to give them every chance to develop and ripen their growth. The Peach is most sensitive to a condition of dryness at the roots. It should never be permitted to suffer in this way. Give your trees a good soaking of weak manure-water now, afterwards adding a dressing of decayed farmyard or stable-yard manure, 3 inches deep, to the surface of the soil over the roots. As soon as autumn comes round and the leaves have fallen, uncover the surface roots by forking and wheeling away the top soil and adding a top-dressing (5 inches deep) of the following soil compost, treading it firmly down. The new soil should be fairly dry at the time it is applied. To one barrow-load of good fibrous loam add a peck of old mortar rubble (broken small), a gallon of lime, a quart of soot and half a gallon of bone-meal. Mix well together before applying.

## MISCELLANEOUS.

**A NEW GARDEN OF UNWORKED BLUE LONDON CLAY** (*A. J. Savage*).—It is important—in fact, imperative—if the best is to be made of the garden, to first secure effective drainage on such land before attempting its cultivation. This secured, proceed to trench the soil 2½ feet deep, adding half-decayed strawy manure at the rate of thirty-five tons to the acre, mixing with the bottom soil also road grit at the same rate and coal ashes at the rate of thirty tons to the acre, the first object being to improve the mechanical construction of the soil in order that rain and air may pass through it more freely, thus adding immensely to the fertility and warmth of the soil as well as making its working more easy and less expensive. After the trenching is completed, in dry weather fork the following special manures into the surface of the soil: Superphosphate of lime, 7lb.; nitrate of soda, 3½lb.; kainit, 3½lb. This, when mixed together, should be applied to one rod or perch (nitrate of soda to be applied in spring). Both fish and hop manure are excellent for kitchen gardens, and also in moderation for flower gardens. Stable manure laid on the surface of Asparagus beds, 3 inches deep, would prove a better dressing than leaf-mould. In spring a light dressing of nitrate of soda would be better than fish manure or salt.

**ASPIDISTRA LEAVES DYING** (*G. W. D.*).—It is quite impossible for us to state definitely the cause of your *Aspidistra* leaves going off in the same manner as that sent. Several reasons might be put forward, and, without knowing the conditions under which the plant is grown, fall short of the mark. A close inspection of the leaf, however, reveals the fact that there are what appear to be burnt blotches thereon. This suggests the question as to whether the plant has been exposed to full sunshine. If so, this will account for the trouble, as in a state of Nature the *Aspidistra* is found in woods, and under cultivation plenty of light, but no sunshine, is necessary. Again, the question of water is an all-important one, as the soil must be kept moderately moist, but, at the same time, stagnant water is most injurious. We have kept plants of the *Aspidistra* in good health in the dwelling-house for years, the practice with regard to water being, when they are dry, to lift them out of the ornamental pots in which they are stood and soak them in a pail of water till the soil is quite saturated. They are then stood on one side to drain thoroughly, and then taken indoors again. The soil must be allowed to get almost dry before they are again watered. Treated in this way, the compost does not become sodden and the roots remain in a healthy state. If water is allowed to stand in the receptacles in which the plants are placed, the soil becomes sour and the roots decay. When this happens, many of the leaves are sure to die. Much less water is, of course, required in winter than in summer. When *Aspidistras* require dividing or repotting, the best time of the year to do this is in the months of April or May, just as they are starting into growth.

**NAMES OF PLANTS.**—A. H. C.—*Muehlenbeckia varia*—*Preston*.—*Tropaeolum tuberosum*, or the Peruvian Nasturtium.—H. S.—1, *Cuphea miniata*; 2, *Cotoneaster thymifolia*.

**NAMES OF FRUIT.**—C. B. A. *Market Harborough*.—1 and 4, *Blenheim Orange*; 2, *Bess Pool*; 3, *Stamford Pippin*; 5, *Lamb Abbey Pearmain*; 6, *Northern Greening*; 7, *Warner's King*; 8, *Hawthornden*; 9, *King of the Pippins*; 10, *Court of Wick Pears*—1, decayed; 2, *Pitmaston Duchess*; 3, *Bergamotte Esperen*; 4, *Easter Beurré*.—R. N. L.—1, 2 and 12, *King of the Pippins*; 3, *Hawthornden*; 4, *Lord Suffield*; 5, *Dutch Mignonne*; 6, *Stamford Pippin*; 7, *Lady Sudeley*; 8, *Lane's Prince Albert*; 9, *Calville Rouge*; 10, *Striped Beaufin*; 11, *Hornead's Pearmain*; 13, *Blenheim Orange*; 14, *Pickering's Seedling*; 15, *Flanders Pippin*; 16, *Warner's King*; 17, *Lady Henniker*; 18, *Sugarloaf*; 19, *Wellington*; 20, *Winter Nelis*; 21, too poor to name.—A. H.—1, *King of the Pippins*; 2, *Rival*; 3, *Dutch Mignonne*; 4, *King Harry*; 5 and 10, *Wellington*; 6, *Cox's Pomona*; 7, *Tower of Glamis*; 8, *Warner's King*; 9, *Lane's Prince Albert*; 11, *Cellini*; 12, *Belle Dubois*.—F. N., *Gos*.—1, *Beurré Bachelier*; 2, *Beurré Hardy*; 3, decayed; 4, *Beurré de Jonghe*; 5, *Durondeau*; 6, *Gratioli of Jersey*; 7, *Gilgil*.—A. H. C.—*Aples*.—1, *Iron Apple* (late keeping); 2, *Withington Filbasket*; 3, *Cox's Pomona*; 4, *Cellini*; 5, *King Harry*; 6, *Lamb Abbey Pearmain*; 7, *Tiblet's Pearmain* (small fruit).—F. W. *Conway*.—1, *Bess Pool*; 2, *D'Ar-y Spice*; 3, *Royal Nonsu h*.—*Chantry*.—21, *Belle Julie*; 22, *Van Mons Leon le Clerc*; 23, *Beurré Diel*; 24, *Swan's Egg*.—M. C. *Newton*.—*Marguerite Marillat*.—H. S.—1, *John Apple*; 2, *Round Winter Nonsuch*; 3, *Warner's King*; 4, *Alrison*; 5, *Hornead's Pearmain*; 6, *Wellington*; 7, *Cox's Pomona*; 8, *Ribston Pippin*; 9, *Beurré Clairge u*; 10, *King Harry*; 11, *King of the Pippins*.—F. F. M.—The large Pear is *Beurré d'Amanlis*, and ought to be of good flavour. The next in size is *Swan's Egg*, and is seldom any good. The small Pear is *Aston Town*, a delicious little fruit, but always small. We advise you to give the garden a good liming now; this will help your Pear and other fruits next year.

## SOCIETIES.

### WARGRAVE GARDENERS' ASSOCIATION.

THE last meeting of the association on October 20 was well attended. Mr. S. Wheadon, foreman at Parkwood Gardens, gave a good paper on "The Herbaceous Calceolaria." He gave full particulars of the cultivation from seed-sowing to the flowering stage. A good discussion followed, many members taking part in it, and a vote of thanks was carried with acclamation at the close. Mr. H. Meredith was awarded a cultural certificate for some fine *Pitmaston Duchess Pears*, and Mr. E. Feltham staged a group of *Michaelmas Daisy Climax*, a very fine variety.

### VALE OF LEVEN HORTICULTURAL ASSOCIATION.

#### "INSECT PESTS OF FLOWERS AND VEGETABLES."

THE opening lecture of the present session of this association was held recently in the Public Hall, Alexandria, Councillor James Parlance presiding over an excellent attendance. Mr. A. Hosking of the West of Scotland Agricultural College delivered a lecture on "Insect Pests of Flowers and Vegetables." The lecture was illustrated by a comprehensive series of lantern slides. The lecturer alluded to the injury done to the various crops of both flowers and vegetables through the ravages of insects. Usually it is in the larval stage that the ravages of insects are most to be dreaded, although it is obvious that in combating insects it is important to kill the perfect insects or egg-layers. Aphides are a source of continual annoyance to gardeners, as they attack many species of plants, both under glass and outdoors. Eradication is difficult, owing to the rapidity with which the insects reproduce their kind, especially in the case of certain varieties, which curl up the leaves of their food plants and thus form a means of protection for themselves against both weather and insecticides. Promptitude is the great thing in destroying aphides, taking steps to eradicate the pests as soon as their appearance is observed. For general use where the parasites are accessible, spraying with *Quassia* chips and soft soap is recommended. In gardens we frequently find plants smothered with a frothy envelope containing a tiny, pale green, aphid-like insect. This is known as the cuckoo spit. This insect is very harmful, and should be destroyed by hand picking. When too numerous, a good preventive is to syringe the affected plants with *Quassia* chips and soft soap, or Tobacco water. To gardeners who grow wall fruit, Dahlias, Carnations and Chrysanthemums, the earwig is too often an enemy. Small pots partly filled with dry moss or dirty paper and inserted on the stakes are excellent traps, for in these the insects lurk during the daytime, and from them they are easily discharged into a vessel containing insecticide. One of the most formidable insect enemies the gardener has to cope with is the red spider. The spread of the pest is promoted by drought and dry atmospheric conditions. Increase of atmospheric moisture, fumigation, and syringing with Fir-tree oil or soft soap dissolved in water are the best remedies. By following such clean cultivation the insect will be considerably lessened or entirely checked. When sowing Carrots, it is advisable to sow the seed thinly, because it is when the gardener commences the operation of thinning his plants that the Carrot fly is attracted to the crop. The odour from these plants caused by disturbance is very strong, and this, being advantageously noted by the fly, also presents a happy hunting ground to deposit her eggs. Its larvæ live upon the roots of the Carrot, and often eat them to such an extent as to cause them to rot. By dusting with soot or lime, or spraying with paraffin and water

or M'Dougall's Sheep Dip, the smell of the leaf will be somewhat disguised. It must be confessed that, of the numerous insects with which the gardener comes into contact, by far the greater number have to be reckoned as enemies. There are, however, some which do no harm, and others which are real friends. The latter, by reason of their being parasitic upon injurious insects, render good service. Chief among them may be mentioned the larvæ of the ladybirds and the lacewing flies, which eat aphides in thousands; also the ichneumon flies. The larvæ of the ichneumonidae are, in many instances, parasitic in the bodies of other insects. Large numbers of big, fat caterpillars are attacked by the fly in this manner, the female ichneumon depositing an egg in its body, leaving the larva to become fully fed on its victim, and finally blossoming into a fine healthy caterpillar at the expense of its foster-mother.

**Paris Chrysanthemum Show.**—Instead of the usual autumn exhibition on the Cours la Reine at Paris, which is rendered impracticable by the war, the National Horticultural Society of France has organised a smaller show in their hall, 84, Rue de Grenelle, for the benefit of the wounded soldiers. The price of admission is 1fr., and the show will be open on November 6, 7 and 8.

**War News.**—A few months ago English horticulturists were shocked to hear of the death of M. Jules Hye de Crom, who was a victim to German terrorism in Ghent. We now learn, through the medium of the *Daily Telegraph*, that another well-known Ghent horticulturist, M. Joseph de Hemptinne, has been executed by the German authorities, who, it is stated, carried out the execution with all haste. M. Joseph de Hemptinne was a member of the Royal Agricultural and Botanical Society of Ghent, and took his share in the organising of several of the great quinquennial shows held there. He was an ardent orchidist and president of the Cercle Van Houtte. Among other official positions he held was that of Government Commissary in the Group of Horticulture for the Great International Exhibition of Ghent in 1913. To his family and his faithful colleagues we offer our sincere sympathy, for we have a pleasant recollection of his friendly attitude towards us the last time we were on a visit to the City of Flowers.

**Trials at Wisley in 1916.**—The Council of the Royal Horticultural Society have arranged to carry out the following trials next year. Flowers.—Annual Carnations, Indian Pinks, Clarkias, Larkspurs and Godetias: One packet of each variety to be sent by January 31. Delphiniums: Three plants of each variety to be sent by February 24. Saxifrages (Mossy section): Three plants of each variety to be sent by February 14 (for nomenclature trial). Annual Sunflowers: Twenty seeds of each variety to be sent by January 31. Vegetables.—Celery, Celery and Savoys: One packet of each variety to be sent by January 31. Peas (midseason): Half a pint of each variety to be sent by January 31. Potatoes: Twenty tubers of each variety to be sent by January 31. Sundries.—Powder sprayers: Specimen of each to be sent by March 30. Fungicides: Quantity sufficient for a fair trial to be sent by March 30.

## OBITUARY.

### HENRY JAMES LONGHURST.

WE regret to learn of the death of Rifleman H. J. Longhurst, who was killed in action in France on September 25. Mr. Longhurst was employed as a young gardener at Kew when war broke out, and enlisted in the King's Royal Rifles in November, 1914. Previous to entering Kew in July, 1913, Mr. Longhurst was employed at The Lodge, Effingham, and Murrey's Court, Ashted. He was a native of Ashted and twenty-three years of age.

### GARDENING APPOINTMENT.

MR. E. CLEMENTS, for ten years head-gardener to the late Major-General Talbot Coke, Trusley Manor, Derby, has been appointed head-gardener to Lord Charles Bentinck, Ranby Hall, Lincolnshire.



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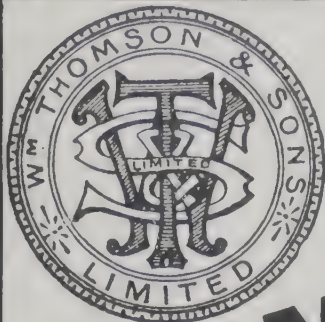
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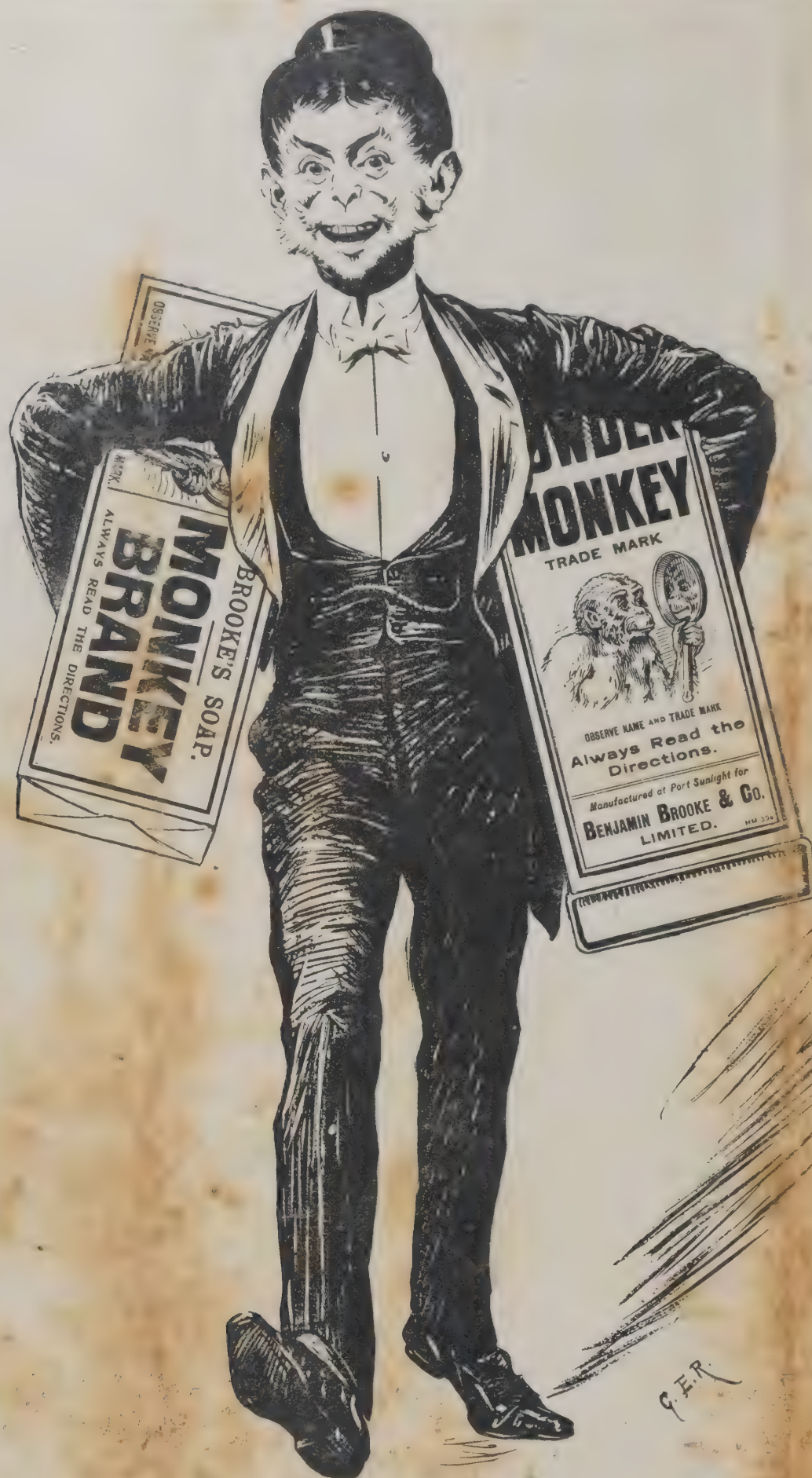
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ORCHARD AND WOODLAND

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Abel Carriere, hp, dark crimson .. 6d Admiral Ward, ht, or mson red .. 2/6 Aennchen Muller, d poly, dazzling pink .. 6d Aimee Vibert, cl n, white climber .. 9d Alberic Barbier, wich, cream climber .. 9d Alex Hill Gray, t, lemon .. 8d Alfred Colomb, hp, brilliant red .. 6d A. K. Williams, hp, carmine red .. 6d Alistair Stella Gray, cl n, yellow .. 9d American Pillar, cl poly, single pink .. 9d Amy Robsart, hsb, rose, single .. 6d Anna Olivier, t, pale rosy flesh .. 8d Anne de Geierstein, hsb, crimson .. 6d Antoine Riviere, ht, cream .. 8d Ards River, cl hp, crimson .. 9d Arthur R. Goodwin, per, orange pink .. 8d Austrian Copper, ab, coppery red .. 8d Aviateur Blierot, wich, yellow .. 9d Avoca, ht, crimson scarlet .. 8d	Cardenia, wi h, yellow .. 9d General Jacqueminot, hp, crimson .. 6d *General McArthur, ht, scarlet crimson .. 8d General Schablikine, t, ruddy copper .. 8d G. C. 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Nabonnand, t, pale flesh .. 8d Grace Darling, ht, cream pink .. 6d Green Mantle, hsb, rich pink .. 6d Gruss an Aachen, d poly, yellow .. 8d *Gruss an Teplitz, ht, crimson .. 6d Gustave Grunerwald, ht, carmine pink .. 8d Gustav Regis, ht, canary yellow .. 8d	Lady Waterlow, ht, salmon .. 9d *La France, ht, silvery rose .. 6d La France Climbing, ht .. 9d La Tosca, ht, silvery pink .. 8d Laurent Carle, ht, velvety carmine .. 8d Le Progres, ht, yellow .. 8d Leonie Lamesch, d poly, coppery red .. 8d Leontine Gervais, wich, Capucine red .. 9d Leslie Holland, ht, deep scarlet crimson .. 8d Liberty, ht, velvety crimson .. 6d Liberty Climbing .. 9d *Lieutenant Chaire, ht, crimson .. 8d Louise Catherine Breslau, per, pink .. 8d Lucy Bertiam, hsb, crimson .. 6d *Lyons Rose, ht, shrimp pink .. 8d  Mabel Drew, ht, canary yellow .. 8d *Mme. Abel Chatenay, ht, salmon .. 6d Mme. Alfred Carriere, hn, white .. 9d Mme. Berard, cl t, yellow .. 9d Mme. Charles Lutaud, ht, yellow .. 1/- Mme. 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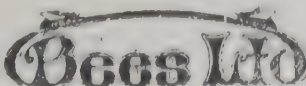
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Exceptionally fine this season.

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**Roses! Roses!! Roses!!**  
**TO AMATEURS.**

You spend time and money preparing your Rose  
Buy the strongest quality free-flowering plants to  
them. The results will then give you pleasure. They  
are the best grown, bushiest, and most fibrous-rooted  
obtainable; all Budded on Seedling Briar, the best  
For quality and price they are the best value on the market.  
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**I OFFER BUSH HYBRID TEAS,** your choice  
7/- doz.; 50/- for 100, including General MacArthur,  
Leon Paine, Sunburst, George Dickson, King George,  
Chateau de Clos Vougeot, Duchess of Wellington,  
Carnegie, Mrs. Sam Ross, Mme. Ravary, Mary Co  
Ilchester, Lady Hillingdon, Pharisaer, Betty,  
Richmond, La Tosca, Melaine Souper, Mrs. Aaron  
Mme. Abel Chatenay, Lady Ashtown, Avoca, J. E.  
Joseph Hill, Juliet, Rayon d'Or, Mrs. George  
Lyon, Mrs. Alfred Tate, Prince de Bulgarie, etc., etc.

**BUSH HYBRID PERPETUALS,** 5/- doz.;  
including Frau Karl Druschki, Hugh Dickson, Mr.  
Duke of Edinburgh, Fisher Holmes, Prince Camille de  
Captain Hayward, Mrs. Crawford, Ulrich Brunner,  
Jacqueminot, Margaret Dickson, Baroness Rothschild,  
etc.

**CLIMBING ROSES,** 8/- doz., extra heavy  
varieties, such as Crimson Rambler, Dorothy  
Hiawatha, Excelsa, Blush Rambler, etc., are 7/11  
high.

Standard Roses, best varieties, 18/- doz.

Dwarf Polyantha Roses, a good collection, 7/- doz.

All orders of 7/- upwards, carriage paid, packed

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THE NURSERIES, HARLINGTON, MIDDLESBROUGH



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For the amateur gardener who knows roses and prefers to make his own selection there is no more reliable guide than Bees' Colour Chart, which portrays about 20 groups or sets of Roses; in all about 200 varieties, or see alphabetical list of Roses on another page.

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### BEES' ROSES

famously fibrous rooted trees grown in the bitterly bleak but bracing air of the Welsh Mountains; hard as nails, stout of stem, leathery of leaf, and guaranteed true to name. If you don't see what you want in these collections write for Catalogue and Colour Chart of Roses, gratis and post free.

#### Garden Roses

Carriage Paid **11/-** Saving 4s. 11d.

'A' Coll. 24 Good Roses for general purposes.

Recommended by the National Rose Society

Betty, coppery rose .. 8d  
Caroline Testout, pink .. 8d  
Dean Hole, silvery rose .. 8d  
Earl of Warwick, salmon .. 8d  
Ecarlate, rosy scarlet .. 8d  
F. K. Druschki, white .. 8d  
George Dickson, crimson .. 8d  
G. C. Waud, vermillion .. 8d  
Gen. McArthur, crimson .. 8d  
Gus. Grunerwald, carmine .. 8d  
Killarney, bluish pink .. 8d  
La Tosca, salmon flesh .. 8d  
Lady Pirrie, apricot .. 8d  
Lady Ashtown, deep pink .. 8d  
Mme. A. Chateaufort, salmon .. 8d  
Mme. Ed. Herriot, prawn red .. 8d  
Mme. Jules Grolez, silvery rose .. 8d  
Mme. M. Souper, sunset yellow .. 8d  
Mme. Ravary, orange yellow .. 8d  
Mme. Second-Weber, salmon .. 8d  
Mrs. A. Hammond, rosy amber .. 8d  
Pharisaer, rosy white .. 8d  
Richmond, ruby scarlet .. 8d  
Visc. Folkestone, cream .. 8d

#### Exhibition Roses

Carriage Paid **11/-** Saving 5s. 4d.

'B' Coll. 24 good Roses for Exhibition.

Recommended by the National Rose Society

Avoca, crimson scarlet .. 8d  
Bessie Brown, creamy white .. 8d  
Coronation (HP), flesh pink .. 1/-  
Dean Hole, silvery rose .. 8d  
Earl of Gostford, crimson .. 8d  
F. K. Druschki, white .. 8d  
F. K. Druschki, white .. 8d  
Gl. de C. Guinoisseau, red .. 8d  
George Dickson, velvety crimson .. 8d  
Horace Vernet, scarlet crimson .. 8d  
Hugh Dickson, crimson .. 8d  
J. B. Clark, crimson .. 8d  
J. J. L. Mock, carmine .. 8d  
Leslie Holland, scarlet .. 8d  
Lyons Rose, shrimp pink .. 8d  
Mabel Drew, canary yellow .. 8d  
Mrs. Cornwallis West, shell pink .. 8d  
Mrs. M. Souper, sunset yellow .. 8d  
Mildred Grant, tinted white .. 8d  
Mrs. John Laing, rosy pink .. 8d  
Mrs. J. H. Welch, rosy pink .. 8d  
Mrs. Roosevelt, pale flesh .. 8d  
Ulrich Brunner, cherry red .. 8d  
William Shean, pink .. 8d

#### Rambler Roses

Carriage Paid **3/9** Saving 1s. 3d.

'S' Coll. 6 choice climbers for trellis, pillars, etc.

Recommended by the National Rose Society

Alberic Barbier, Wich., yellow .. 9d  
American Pillar, Cl. Pol., red .. 9d  
Blush Rambler, Cl. Pol., b. usn .. 9d  
Dorothy Perkins, Wich., pink .. 9d  
Excelsa, Wich., brilliant scarlet .. 9d  
Hiawatha, Cl. Pol., crim. & wh .. 9d

#### Sweet Briars

Carriage Paid **3/3** Saving 0s. 6d.

'R' Coll. 6 choice hybrid S. Briars for Hedges, &c.

3 of each .. 9/-  
6 of each .. 17/-

Recommended by the National Rose Society

Anne f. Geierstein, de p. crim. .. 6d  
Edith Belenden, pale rose pink .. 6d  
Lucy Britram, deep rich crim. .. 6d  
Lady Penzance, soft copper .. 6d  
Meg Merrilies, bright crimson .. 6d  
Rose Bradwardine, clear rose .. 6d

#### Dwarf Bedding Roses

Carriage Paid **6/6** Saving 2s. 0d.

'T' Coll. 12 first-class free-flowering varieties

Recommended by the National Rose Society

A. R. Goodwin, Per., salmon-pk .. 8d  
Betty, H.T., coppery-rose .. 8d  
Dchess of Wellington HT, saffron .. 8d  
Ecarlate, HT, scarlet-red .. 8d  
Earl of Warwick HT, salmon .. 8d  
G. C. Waud, HT, orange-verm .. 8d  
Mme. Ed. Herriot, prawn-red .. 8d  
Mme. J. Grolez, HT, rose .. 8d  
Mrs. A. Ward, HT, yellow .. 8d  
Molly S. Crawford, T, white .. 8d  
Richmond, HT, scarlet .. 8d  
Rayon d'Or, HB, golden .. 8d

#### Roses for Cutting

Carriage Paid **6/6** Saving 2s. 1d.

'M' Coll. 12 best free roses, long stems.

Recommended by the National Rose Society

Arthur Goodwin, Per., orange .. 8d  
Betty H.T., coppery-rose .. 8d  
Blaute de Lyon, A.B., coral-red .. 8d  
Countess of Forde H.T., pink .. 8d  
Edu. Meyer, H.T., red and yellow .. 8d  
Gen. McArthur, H.T., crimson .. 8d  
Harry Kirk, T., sulphur-yellow .. 8d  
Irish Elegance, H.T., orange .. 8d  
Mm. Ed. Herriot, prawn red .. 8d  
Mm. H. Stevens, T., white .. 8d  
Pau Lede, H.T., apricot .. 8d  
Rayon d'Or, H.B., salmon-gold .. 8d

#### Roses in Pots

Carriage Paid **12/6** Saving 2s. 6d.

'N' Coll. 12 roses suitable for pot culture.

Recommended by the National Rose Society

Alex. Hill Grey, T., lemon-yellow .. 8d  
Bridesmaid, T., pink .. 8d  
Lady Hillington, T., apricot-yellow .. 8d  
Lady Pirrie, H.T., salmon & apricot .. 8d  
Lady Roberts, T., apricot and rose .. 8d  
Liberty, H.T., velvety-crimson .. 8d  
Mme. Ed. Herriot, prawn red .. 8d  
Mrs. G. Shawyer, H.T., pink .. 8d  
Mrs. H. Stevens, T., white .. 8d  
Richmond, H.T., scarlet .. 8d  
Sunburst, H.T., cadmium-yellow .. 8d  
Willowmere, Per., coral red .. 8d

#### Baby Ramblers

Carriage Paid **5/6** Saving 2s. 4d.

'O' Coll. 12 dwarf polyantha roses for general use

Recommended by the National Rose Society

Aennchen Muller, yellow & orange .. 8d  
Canarienvogel, yellow & orange .. 8d  
Ellen Poulsen, deep rose .. 8d  
Erna Teschendorf, bright crimson .. 8d  
Eugene Lamesch, orange & pink .. 8d  
Jessie, rose-crimson .. 8d  
Katherine Zeim, pur. white .. 8d  
King Edward VII, rosy-crimson .. 8d  
Leonie Lamesch, coppery-red .. 8d  
Mrs. Taft, brilliant crimson .. 8d  
Mrs. W. H. Cutbush, cherry-pink .. 8d  
Orleans, geranium-red .. 8d

#### Roses for Walls

Carriage Paid **7/-** Saving 2s. 9d.

'PQ' Coll. 12 Climbers for N., S., E. and W.

Recommended by the National Rose Society

'P' COLLECT ON 3/9  
For east or north wall  
A. de Vibert, Cl. N., white .. 9d  
A. de R. ver, Cl. HP, crim. mar. .. 9d  
C. de tout, Cl. HT, rosy pink .. 9d  
Conr. d. F. Meyer, Rug., sil. ro. e .. 9d  
Gerbe Rose, Wich., pale pink .. 9d  
Gloire de Dijon, Cl. T., sal. yellow .. 9d

#### 'Q' COLLECTION 3/9

For south or west wall  
Billardet Barre, Cl. T., golden yellow .. 9d  
Mrs. W. J. Grant, Cl. HT, rose pink .. 9d  
Mme. Alfred Carriere, H.N. wh. .. 9d  
Mme. Jules Graver aux, Cl. T., yellow .. 9d  
W. A. Richardson, Cl. N., or. yellow .. 9d  
Zephirine Drouhin, HB, car. pink .. 9d

#### All Round Roses

Carriage Paid **5/-** Saving 1s. 11d.

'K' Coll. 12 first-class Roses suitable all purposes

Recommended by the National Rose Society

Bees' Famous "T. st." Collection.  
Capt. Hayward, HP, scarlet .. 6d  
Caroline Testout HT, pink .. 6d  
Fisher Holmes, HP, crimson .. 6d  
F. K. Druschki, T., white .. 6d  
Hugh Dickson, HP, crimson .. 6d  
La France, HT, rose .. 6d  
Lady Ashtown, HT, pink .. 6d  
Lyons Rose, HT, shrimp pink .. 6d  
Mme. A. Chateaufort, HT, salmon .. 6d  
Mme. Ed. Herriot, prawn red .. 6d  
Mme. Ravary, HT, orange .. 6d  
Mrs. J. Laing, HP, rose pink .. 6d

#### Hedge Roses

Carriage Paid **7/-** Saving 2s. 2d.

'G H' Coll. 12 good Roses to form hedges.

Recommended by the National Rose Society

'G' COLLECTION 4/3  
For high hedge  
Alberic Barbier, Wich., yellow .. 9d  
Blush Rambler, Poly., bluish .. 9d  
Excelsa, Wich., scarlet .. 9d  
Dorothy Perkins, Wich., pink .. 9d  
Felicite et Perpetue, Semp., cr .. 9d  
Hiawatha, Poly., crimson .. 9d

#### 'H' COLLECTION 3/6

For dwarf hedge  
Common Blush, China pink .. 6d  
F. H. Veitch, HT, scarlet .. 8d  
Lady Waterlow, HT, salmon .. 8d  
Gruss an Teplitz, HT, crimson .. 8d  
Trier, Poly., creamy white .. 9d  
Zeph. Drouhin, HB, carmine .. 9d

All the collections of Roses on this page are illustrated in natural colours in Bees' Catalogue. Gratis and post free.

### FRUIT.

Make the most of your garden by planting fruit trees everywhere. They are decorative as well as useful. The trees offered are fruiting specimens. You don't have to wait. Buy your fruit trees from Bees.

Bees' Fruit Trees are even more useful. Buy your fruit trees from Bees.

#### Apples for Towns.

2 years old **1/-** larger trees bush trees. 3 yrs. 1s. 6d.

6 apple trees, your selection, 7/6 c. p.

Bramley's Seedling lge, fine cooker .. k  
Newton Wonder, fin. frt. sure brer. .. k  
Warner's King, vry. fin. joy. flvr. .. k  
James Grieve, mlv. flvr. good chr. .. d  
Ecklinville 8d. makes del. pies .. k  
Lane's Prince Albert, keeps well .. k  
Wellington, prolific brer. fin. flvr. .. k  
Lord Suffield, first class chr. early .. k  
Cox's Orange Pippin, choe. eating .. d  
Worcester Pearmain, flvr. flvr. chr. .. d  
Ribston Pippin, crisp, apcy. wine fl. .. d  
Beauty of Bath, cmen. cheeks, swt. .. d  
(The 12 trees 12/- carriage paid .. k  
kitchen. d desert.

#### Pears for Towns.

2 year old **1/-** larger trees bush trees. 3 yrs. 1s. 6d.

The 6 large pear trees, 7/6 car. pd.

Beurre Bachelier, does well in all soils, fine, melting, juicy flavour .. k  
Beurre Die, vigorous, free cropper, rich buttery flavour, Oct. Dec. .. k  
Jos. de Malines, very prolific, crisp juicy, melting flesh, Jan.-Mar. .. k  
Doyenne du Comice, sweet juicy white flesh, delicious flavour .. k  
William's Bon Chretien, better known as "The William Pear," first class, early .. k  
Pitaston Duchess, large size, rich flavour, fine shape and colour .. k  
(6 pears and 6 apples, 12/- car. paid.)

#### Cherries, Plums

fruiting bush trees **1/6** wall trained trees 2/6

The 6 fine trees 10/- carriage paid.

Morello Cherry, splendid lge. black early, rich flavour, suits all soils. .. k  
White Heart C, great favourite for dessert, large size, delicious flavr. .. k  
Greengage Plum, unsurpassed for jam or desert, free bearer. .. k  
Jefferson Plum, deep yellow, spotted purple, A1 for desert, large. .. k  
Czar Plum, rich purple, fine bloom, excellent jam, cook, or eat. .. k  
Victoria Plum, a very fine type, none better. .. k  
(12 trees 15/-)

#### Bush Fruit

Black Currant, Boskoop Giant, very large, grape like clusters, 4/6 doz., each 6d. .. k  
Red Currant, Red Dutch, immense bunches, delicious flavour, 4/6 doz., each 6d. .. k  
Gooseberry, Whinham's Industry, fine red, large, free cropper, 5/- doz., each 6d. .. k  
Raspberry, Superlative, large fruit, heavy bearer, rich colour, 17/6 100 doz. 2/6. .. k  
Loganberry, delicious mulberry red fruits, 5/- doz., each 6d.; larger 10/6 doz., each 1/- .. k

#### Strawberries

Royal Sovereign, large, bright color, firm flesh, rich flavor, rooted runs, 4/- 100; Sir Joseph Paxton, superior flavor, fine rosy pink flesh, free bearer, 4/- 100.

#### Fruit Collection.

10 trees **23/-** 50 plants 24 bushes carr. paid.

Half collection, 12/- carriage paid.

Bramley and Suffield cooking apples .. k  
Cox's and Jas. Grieve eating apples .. k  
Williams and Beurre Diol pears .. k  
Victor a and Greengage plums .. k  
Morello and White Heart Cherries .. k  
Half dozen Loganberries .. k  
Black Currants .. k  
Red Currants .. k  
Gooseberries .. k

#### Small Fruit Collection.

Last 5 items only 10/6 carriage paid

Any one or more roses or trees can be supplied out of any one or more collections at the price quoted to each item. Catalogues of Roses, Shrubs, Fruit, etc., post free.

Bees' ABC of Rose Culture, 14d., post free, a 32-pp. booklet with 4-pp. cover in colours, contains plain directions how to prepare ground, how to plant, prune, manure, etc., etc.

Bees Ltd

175c, Mill St.  
LIVERPOOL



## NATIONAL CHRYSANTHEMUM SOCIETY.

## NEW CERTIFICATED CHRYSANTHEMUMS.

IT is gratifying to know that quite an interesting list of new and choice Chrysanthemums have been raised and have been certificated by the floral committee of the National Chrysanthemum Society during the present season. Growers may rest assured that any award made by this body of experts is quite satisfactory, and the flowers to which the respective awards are made fully deserve the hall-mark which such awards carry. A first-class certificate has recently been awarded to each of the following:

**Norman Pearson.**—This is a very fine single-flowered variety about 4 inches in diameter, having several rows of florets of medium breadth, arranged in very even form, and building a flower of attractive appearance. Colour, chestnut red, overlaid with a golden colour, and with a golden yellow disc. From Mr. George Mileham, Emlyn House Gardens, Leatherhead.

**Sir Edward Letchworth.**—This is a handsome exhibition Japanese bloom, having very broad florets, of good length, curling and indented at the ends, building a very large, massive flower. The inside colouring of the florets is a deep rose pink colour, and the reverse is silvery. This is a flower of great promise. From Mr. Martin Silsbury, Sandown, Isle of Wight.

**Charlotte E. Soer.**—This is a large and handsome exhibition flower of Japanese form, having very long, medium to broad florets that reflex in even form, building a flower of a drooping character. Colour, canary yellow, with a bronzy suffusion on the lower florets. From Mr. M. Silsbury.

**Phyllis Cooper.**—This is another most attractive single-flowered variety, having florets of medium breadth arranged in ideal form round a disc of moderate size. The florets are pointed, and, when the flower finishes, it is from 4½ inches to 5 inches in diameter. The colour is one of its most attractive features, and this may be described as rich golden yellow, with disc of the same colour. From Mr. Philip Ladds, Swanley Junction, Kent.

**Bertha Fairs.**—A superbly fine large-flowered single of ideal form and character with several rows of florets. The florets are of medium breadth, good length and arranged in the most even manner imaginable, building a flower fully 5 inches in diameter. Colour, golden fawn, with a yellow zone round a golden yellow disc of moderate size. From Mr. Norman Davis, Framfield, Sussex.

**Miranda.**—Another superbly fine large-flowered single variety, being a terra-cotta sport from the well-known large-flowered single variety named Portia, which latter, readers will remember, a year or two since gained the prize awarded by the National Chrysanthemum Society for the best single at their chief December meeting. Like the parent variety, the sport has long, broad, twisted florets of splendid substance, and they build a very beautiful, attractive flower. From Messrs. Cragg, Harrison and Cragg, Heston, Hounslow, Middlesex.

**Market Bronze.**—This is an extremely good Japanese variety of medium size, suitable for market when grown in disbudded form, and distinctly attractive as a good quality decorative flower. The florets are medium to broad, reflex, and build a flower of pleasing drooping form some 5 inches to 6 inches in diameter. Golden bronze aptly describes the colour. From Mr. Norman Davis.

**Amber.**—This is another excellent flower specially suited for market and the bolder decorations when disbudded, yielding flowers of very pleasing form fully 6 inches in diameter. The florets are of medium breadth, pleasingly reflexing, and the colour is a most attractive tone of amber, with orange reverse. From Mr. Norman Davis.

**Mrs. M. Sargent.**—A large, massively built Japanese bloom of incurved form, having very broad, slightly pointed florets of splendid substance, building a Japanese incurved bloom of massive appearance. Colour, white, freely shaded and tipped green. From Messrs. W. Wells and Son.

## READING GARDENERS' ASSOCIATION.

THE fortnightly meeting of the Reading and District Gardeners' Mutual Improvement Association was held on November 1 in the Abbey Hall (by kind permission of Messrs. Sutton and Sons). The subject for the evening was "Decorative Orchids," introduced by Mr. E. Jennings, Park House Gardens, Cotham (representative from the Bristol Association), who gave some good, sound, practical advice on the growing of Cymbidiums, Cypripediums and Miltonias. These he considered the best for decorative work, as when out of bloom their leaves were always green and the plants handsome in appearance, a striking contrast to Calanthes and Dendrobiums. A good discussion followed. A feature of the meeting was a magnificent display of fruit, flowers and vegetables, no fewer than seventeen members staging exhibits.

## THE EDITOR'S TABLE.

**Green Peas in November.**—Mr. J. Smith, The Gardens, Deakestone, Dursley, Gloucestershire, writes: "I send for your table a few pods of Pea Selected Duke of Albany, gathered this week. As a late Pea I find this has done remarkably well. Planted on July 16, I have a row 16 yards long, nearly 8 feet high, and with no mildew whatever. I have been picking off it for over three weeks, and, if the weather keeps mild, will be able to do so for another week or so. I

also have a row of Early Giant just filling the pods. Of course, the pods are not so full as in the summer. By the way, I generally pick Peas till about the middle of November each year." [The practice of sowing early Peas late in the season, thereby obtaining pods ready to pick in eight weeks or so from the time of sowing, is in every way a commendable one, providing, of course, the soil, situation and season are favourable. The Peas sent were of good size, and when cooked were of that bright green colour and sweet flavour usually associated with the first picking of Peas in early summer.—ED.]

**The Wisley Diploma.**—The Diploma of the Royal Horticultural Society's School of Horticulture at Wisley has been conferred upon the following as a result of the examinations held at the completion of their two years' course during

the present year. The number is smaller than usual, as many students left to join the Army, intending to complete their course after the end of the war. L. C. Edwards, H. J. Barker, E. A. Garrett, A. T. Rudge, A. Whitely, W. H. Streeter, W. C. Croom and F. H. V. Wood. Prizes were also won by L. C. Edwards, H. J. Barker, E. A. Garrett and A. T. Rudge. The Nicholson Prize for Observation was awarded to L. C. Powell. Mr. Edwards' essay on "The Flora of the Cotswolds" received high commendation. The examiners were Mr. James Hudson, V.M.H., Mr. John Fraser, F.L.S., and Mr. F. J. Chittenden, F.L.S.

## CATALOGUES RECEIVED.

Walter Easlea, Danecroft Rosery, Eastwood, Essex: Roses.  
Alex. Dickson and Sons, Limited, Hawlmark, Newtownards, County Down: Roses, Sweet Peas and Tulips.  
Pennick and Co., Delgany Nurseries, near Dublin: Shrubs, Roses, Fruit Trees, &c.

## More for Your Money.

And not only more but "Better Quality" flowers are obtained from Bees' **GUARANTEED** Bulbs which are sold on the distinct understanding that your money will be returned in full if they fail to give you satisfaction.

## Single Tulips

Tulips are unsurpassed for bedding or growing in pots, soil or fibre.

Prices are per doz and per 100

Rose de Lin, rose and white 5d; 3/-  
Dusart, brilliant vermilion 8d; 5/-  
Cottage Maid, r-pk. & cr. 6d; 3/6  
Yellow Prince, fragrant yl. 7d; 4/6  
La Reine, fine white 5d; 3/-  
Artus, bright scarlet 5d; 3/-  
Keizerskroon, scit. & gold 10d; 6/6

## Spring Crocuses

doz. 100  
Mammoth or King White 5d 3/-  
Golden Giant, brill. t. yel. 5d 2/9  
Sir W. Scott lil. c. & wh. 5d 3/-  
Heavenly Blue, lov'ly. pl. bl. 8d 5/-  
Purp. Queen, intense violet. 8d 5/-  
Cloth of Gold, very rich 5d 2/4  
All shades, mixed, 15/- 1000; 2/- 100

## Bedding Hyacinths

Red, white and blue. 12 each colour

Carriage 4/- Cash with Paid Order

100 in four colours .. 10/-  
100 Mixed Colours .. 10/-

## Double Hyacinths

Mixed colours only, 1/4 dozen.

## English Snowdrops

Superior to the Galanthus Elwesii for permanent edging, bedding, &c. Do well in pots.

Single 2 4 100 .. 20/- 1000  
Double, 2, 8 100 .. 25/- ..

## Rembrandt Tulips

Varicolored flowers, like Darwin's in shape, very handsome, 1/- doz.

## Gentian Blue Squill

Scilla Sibirica, one of the earliest and prettiest spring flowers, most accommodating, outdoor or in pots or bowls, rockery, beds or borders. First size Bulbs 2/3 100 20/- 1000

## Cottage Tulips

6 each 2/- Post free 7 sorts 12 each, 3/9

All splendid for cutting

Bouton d'Or, golden .. doz. 8d  
Gesneriana Major, scarlet .. 8d  
" Rosea, dp. rose .. 8d  
Golden Crown, scar. and gd. .. 6d  
Isabella, rose and cream .. 6d  
La Merveille, apricot .. 6d  
Picotee, white edged pink .. 8d  
All shades mixed, 3/6 100; .. 6d

## Mont Blanc Iris

Superb pure white flowers in May. This hardy English Iris does well outdoor, in sun or shade. 7d. doz., 4/- 100.

## Parrot Tulips

Immense blooms, gorgeously colored. Fine flowering bulbs, 4/- 100; doz. 6d.

## Darwin Tulips

6 each 2/9 Post free 12 each, 5/-

Clara Butt, fine pink .. doz. 8d  
Dondas, brilliant scarlet .. 8d  
Fra Anglico, maroon bronze .. 1s  
Gretchen, salmon pink .. 8d  
Landelle, rose .. 1s  
Rev. Ewbank, heliotrope .. 1/6  
All shades, mixed, 4/- 100; .. 7d

## Double Tulips

Prices are per doz and per 100

Salvator Rosa, dp. rse. pk. 10d; 6/-  
La Candeur, pure wte. late 8d; 2/6  
Murillo, salmon pink .. 8d; 4/6  
Fire Dome, orange-scarlet 1/-; 8/-  
Cm. of Gld. org., scit. gld. 1/-; 8/-  
Rubra Maxima, verm., scit. 10d; 6/-  
Imperial Red, ruby-crim., 10d; 6/-  
Gloria Solis, scarlet & gld. 10d; 6/-  
White Rose, splendid wte. 10d; 6/-

## Bulbs for Beds

450 Bulbs 7/- Carriage All flwrng qual. Paid

12 Hyacinths mixed colours .. 1/-  
25 Double Tulips mxd. colrs. 8d.  
25 Single Tulips mxd. colrs. 8d.  
25 Crocuses, all shades mixed 6d.  
12 Blue Squills, deep blue .. 4d.  
25 Snowdrops, all flwrng. size 6d.  
25 Spanish Irises, mixed colrs. 4d.  
24 Daffodils & Narcissi, 2 sorts 1/-  
12 Fragrant Golden Jonquils 5d.  
25 Glory of the Snow .. 9d.  
25 Blue Grape Hyacinths .. 9d.  
12 English Irises, xd .. 6d.  
3 Madonna Lilies gratis.

Half Collection 3/9.

Any item supplied separately

NOW IS THE TIME TO PLANT

## Mixed Bulbs.

Single Hyacinths, large 1/4 doz, 10/- 100; smaller 1/- doz., 7/- 100  
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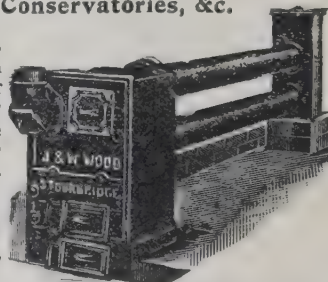
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**LILIUM CANDIDUM**, the beautiful Madonna Lily.—This lovely Lily produces from 6 to 30 lovely waxy-white blossoms which have the most delicious fragrance. Of all Lilies it is one of the most charming, and sure to bloom freely. Exceedingly hardy; no frost will ever harm it. Now is the time to plant this Lily for grand show next season. 6, 1/6; 12 for 2/6. Extra heavy bulbs, 6 for 2/6; 12, 4/-.

**CHOICE MIXED HYACINTHS**, all colours, 6 for 1/3; 12 for 2/-.

**WINTER HELIOTROPE** (*Tussilago fragrans*).—Perfectly hardy, blooms in the open, mid-winter. One spray will scent out a large room. Anyone can grow this in sunless town garden, or even back yard. 6, 1/3; 12, 2/-; 24, 3/-.

**THE HARDY BLUE GERANIUMS**.—This lovely hardy Geranium is rarely seen in beds or borders, yet it is absolutely a hardy perennial, and will give a wealth of glorious large blue flowers for months; increase and improve yearly. 3 for 1/3; 6 for 2/-; 12 for 3/6.

**SUPERB DOUBLE WALLFLOWERS**, in a charming mixture of colour, with large, massive spikes of bloom, splendid for outdoor or cold greenhouse. These are dwarf, sturdy, well-grown plants, and raised from an exceedingly fine strain. 12 for 1/3; 24, 2/3; 50, 4/-.

**WALLFLOWERS CANNOT BE PLANTED TOO EARLY**.—Single Wallflower, Blood-red or Golden Tom Thumb, 25 for 1/6; 50 for 2/6; 100 for 4/6. Superb, mixed, all colours; a charming combination, 25 for 1/6; 50 for 2/6; 100 for 4/6. Post free.

**FORGET-ME-NOT** (*The Jewel*).—The colour is a remarkable sky-blue, which shines out in a most conspicuous manner when side by side with other Forget-me-nots, and constitutes the distinct feature of this plant. 1/6 per dozen.

**ALPINE AURICULAS**.—Quite hardy, easily grown; their flowers are bold and handsome and should be doubly welcome, coming as they do in the early spring, when flowers are scarce. Two-year-old plants, to include the most superb colours. 6, 1/6; 12, 2/6; 25, 4/6.

**HYBRID DELPHINIUMS**.—Can offer plants from my superb collection. Single and Double Exhibition varieties, towering spikes of the most exquisite blue shades imaginable. All who see these new hybrids are amazed at the richness and intensity of colour. Without seeing them, no one can form

the slightest conception of their splendour. Perfectly hardy, and thrive anywhere. 6 for 1/6; 12, 2/9. Extra large, 6 for 2/-; 12 for 3/6.

**Very Special Offer of Giant-flowering HYBRID PERPETUAL ROSES.** My Selection, drawn from very best varieties where I have a surplus.

Will transplant splendidly now, every tree having a mass of fibrous roots, and every one flowered all last season. A magnificent range of colour, from pure white to rich crimson. These will make any garden a blaze of colour. 6, all different, for 3/-; 12 for 5/6; 25 for 10/-; 50 for 18/6. Packed free and carriage paid. This is a bargain price so long as stock lasts, as many of these Roses are worth from 1/- to 2/- each.

**THE BEAUTIFUL BELLADONNA LILY**.—Lovely rosy pink, should be potted now for greenhouse, or can be planted in warm border or at foot of wall, and you can get a grand display year after year. Grand bulbs, 2 for 1/6; 4 for 2/6; 6 for 3/6; 12 for 6/-.

**DIANTHUS, ORIENTAL BEAUTIES**.—A magnificent strain of new fancy large flowering Dianthus. These flowers measure from 3 to 4 inches across, with petals measuring 1 1/2 inches in diameter. They are most exquisitely formed, the petals being full, overlapping, crinkled and lacinated. The flowers possess that peculiar and artistic charm so noticeable in all plants from Japan. They range in colour from pure white through shades of pink and crimson, the colouring and marking is rich beyond description. They are perfectly hardy, are perpetual bloomers, needing only to be cut back every few weeks to bring a new crop of beautiful flowers. 12 for 1/3; 24 for 2/3.

### SPECIAL OFFER. MIXED CARNATIONS.

All strong autumn rooted layers, to bloom abundantly next year. They include a magnificent variety of rich colours, from white through all the rich shades of pink, yellow, scarlet, flakes, bizarres, etc., to velvety crimson; producing large gloriously double and deliciously fragrant blossoms, many worth from 1/- to 2/6 each. Bargain price, 6 for 2/-; 12 for 3/6; 25 for 6/6; 50 for 12/-.

**TROPEOLUM SPECIOSUM**.—The grandest of all perennial climbers; delights in damp, shady situations. Once established it becomes ravishingly beautiful. It is the

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MRS. GARDNER wishes it to be distinctly understood that she does no LOCAL business or usual nursery business, therefore the best plants and trees are never picked out by personal applicants, and what is left considered good enough for customers hundreds of miles away, who cannot see what they are buying. My business is a MAIL ORDER BUSINESS ABSOLUTELY and was commenced as such 30 years ago, and all goods are sent by parcels post or passenger train CARRIAGE PAID, no matter what distance or what part of the country, and the quality of every tree, plant, and bulb is such that anything not giving the greatest satisfaction on arrival can be returned at my expense.

## BRUGMANSIA KNIGHTII

Produces the Sweetest and Most Delicious Fragrance of any Flower on Earth.

Called also Angels' Trumpets and Wedding Bells. One of the grandest hard-wooded plants I know of, and easy to grow. It grows several feet high, and is quite bushy. The foliage is large and tropical, and its bloom—how shall I describe what words cannot picture. Imagine a little bush 3ft. high, and with 20 or 30 pendulous blooms open at once; great creamy-white blooms, 11in., 12in., or 13in. long and 8in. wide, of a texture resembling thick fluted satin. Imagine these creamy trumpets pouring fragrance forth till the air is heavy with sweetness. Imagine all this, then remember the blossoms last for days in perfection, and that new buds are constantly coming on. It is quite as easy to grow as a Geranium or Fuchsia, and requires the same treatment. A good plant in the garden during the summer is the talk of the neighbourhood. STOCK LIMITED. Strong plants, one or two years old, 5/-, 7/6, and 10/6 each. Strong plants grown this season, 2/6 each. Can be grown in greenhouse all the year round, or planted out for the summer.

Miss Hall, Church Hill, Bristol, writes:—"I am sending you an order for plants herewith. At the same time I must tell you the Brugmansia Knightii you sent me some years ago has grown into a magnificent plant. Its flowers have been wonderful both in size and quantity. Many people have come to me on purpose to see it."

Read what Mr. Leighton, Kilmarnock, says about this glorious plant:—"I am delighted to tell you how beautiful the Brugmansia has been in the greenhouse. During spring it flowered abundantly, having 27 blossoms out at one time. Then I put it out doors for the summer, where it has been blooming all the time, and had 30 blossoms out at once."

glory of the Scotch islands. 3 for 1/6; 6 for 2/9. Large selected roots, 3, 2/6.

### GREENHOUSE AND WINDOW GEMS.

**HARRISII**, or the Bermuda Lily.—Large, pure white, trumpet-formed flowers of great beauty and fragrance. It is impossible to describe the charming beauty of this Lily as a pot plant. And so easy flowering. Grand for cold or warm greenhouse, or plant in spring. 3 for 1/3; 6 for 2/-; 12 for 3/-.

**THE SUPERB NEW MALMAISON OR TREE CARNATION PRINCESS OF WALES**.—Immense blossoms of faultless beauty. Colour, a rich brilliant pink, and perfumes the whole atmosphere with its delicious fragrance. All should grow a few of this Queen of Malmaisons. Pot now. 1/3 each; 2 for 2/3; 4 for 4/-; 6 for 5/-.

**STREPTOSOLEN JAMESONII**.—Magnificent winter-flowering greenhouse climber, rich ruddy gold flowers. 3 for 1/9.

**VIOLETS FOR WINTER AND SPRING FLOWERING** should be potted or planted now.—Princess of Wales, a grand variety; quite distinct, with leaves of immense size, and of marvellously vigorous growth, producing its very large, beautifully formed, rich violet-blue flowers in the greatest profusion. The blooms are larger than those of any other variety. They are deliciously fragrant, and, being borne on very long stems, are very beautiful and useful for bouquets, table decorations, etc. Very strong plants, 3 for 1/4; 6 for 2/-; 12 for 3/-.

**THE VERY LATEST CARNATIONS**.—American Giant Tree Carnations, lovely colours, very free flowering. Grand for cold or warm greenhouse, or even window. All in single pots, and can be sent with ball of earth; no cheek, therefore no trouble to grow. Bargain price. 3 for 2/-; 6 for 3/6; 12 for 6/-.

**AGAPANTHUS** (*The Blue African Lily*).—The only real Blue Lily in the world. It is a rapid grower and increases in size and beauty every year. With the most ordinary kind of care it will last for ever. 2 for 1/6; 4 for 2/9; 6 for 3/6.

**ARUM LILY, LITTLE GEM**.—A perfect miniature Lily growing 8 or 12 inches high, and producing very large snow-white blossoms. It is in truth a perfect little gem. 6 for 1/3; 12 for 2/3; 25 for 4/-.

This is a real bargain price. Pot now (6 in a pot) for early spring display.

MRS. GARDNER, F.R.H.S., PRIORY HOUSE, STROUD.



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famously fibrous rooted trees grown in the bitterly bleak but bracing air of the Welsh Mountains; hard as nails, stout of stem, leathery of leaf, and guaranteed true to name. If you don't see what you want in these collections write for Catalogue and Colour Chart of Roses, gratis and post free.

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Carriage Paid **11/-** Saving 4s. 11d.

**'A' Col.** 24 Good Roses for general purposes.

Recommended by the National Rose Society

Betty, coppery rose .. 8d  
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Ecarlate, rosy scarlet .. 8d  
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G. C. Waud, vermillion .. 8d  
Gen. McArthur, crimson .. 8d  
Gus. Grunerwald, carmine .. 8d  
Killarney, bluish pink .. 8d  
La Tosca, salmon flesh .. 8d  
Lady Pirrie, apricot .. 8d  
Lady Ashtown, deep pink .. 8d  
Mme. A. Chateaux, salmon .. 6d  
Mme. Ed. Herriot, prawn red .. 8d  
Mme. Jules Grolez, silvery rose .. 8d  
Mme. M. Souper, sunset yell'w .. 8d  
Mme. Ravary, orange yell'w .. 8d  
Mme. Segond-Weber, salmon .. 8d  
Mrs. A. Hammond, rosy amber .. 8d  
Pharisaer, rosy white .. 8d  
Richmond, ruby scarlet .. 8d  
Visc. Folkestone, cream .. 6d

### Exhibition Roses

Carriage Paid **11/-** Saving 5s. 4d.

**'B' Col.** 24 good Roses for Exhibition.

Recommended by the National Rose Society

Avoca, crimson scarlet .. 8d  
Bessie Brown, creamy white .. 8d  
Coronation (H.P.), flesh pink .. 1/-  
Dean Hole, silvery rose .. 8d  
Earl of Gosford, crimson .. 8d  
Fl. Pemberton, creamy white .. 8d  
F. K. Druschki, white .. 6d  
Gl. de C. Guinoisseau, red .. 6d  
George Dickson, velvety crim. .. 8d  
Horace Vernet, scarlet crimson .. 6d  
Hugh Dickson, crimson .. 6d  
J. B. Clark, crimson .. 8d  
J. J. L. Mock, carmine .. 8d  
Leslie Holland, scarlet .. 8d  
Lyons Rose, shrimp pink .. 8d  
Mabel Drew, canary yellow .. 8d  
Mrs. Cornwallis West, shell pk .. 8d  
Mme. Melanie Souper, sun. yl. .. 8d  
Mildred Grant, tinted white .. 8d  
Mrs. John Laing, rosy pink .. 6d  
Mrs. J. H. Welch, rose pink .. 8d  
Mrs. Roosevelt, pale flesh .. 8d  
Ulrich Brunner, cherry red .. 6d  
William Shean, pink .. 8d

### Rambler Roses

Carriage Paid **3/9** Saving 1s. 3d.

**'S' Coll.** 6 choice climbers for trellis, pillars, etc.

Recommended by the National Rose Society

Alberic Barbier, Wich., yellow .. 9d  
American Pillar, Cl. Pol., red .. 9d  
Blush Rambler, Cl. Pol., bluish .. 9d  
Dorothy Perkins, Wich., pink .. 9d  
Excelsa, Wich., brilliant scarlet .. 9d  
Hiawatha, Cl. Pol., crim. & wh .. 9d

### Sweet Briars

Carriage Paid **3/3** Saving 0s. 6d.

**'R' Coll.** 6 choice hybrid S. Briars for Hedges, &c.

3 of each .. .. 9/-  
6 of each .. .. 17/-

Recommended by the National Rose Society

Anne de Geierstein, deep crim. .. 6d  
Edith Belenden, pale rose pink .. 6d  
Lucy Bertram, deep rich crim. .. 6d  
Lady Penzance, soft copper .. 6d  
Meg Merrilies, bright crimson .. 6d  
Rose Bradwardine, clear rose .. 6d

### Dwarf Bedding Roses

Carriage Paid **6/6** Saving 2s. 0d.

**'T' Coll.** 12 first-class free-flowering varieties

Recommended by the National Rose Society

A. R. Goodwin, Per., salm-pk .. 8d  
Betty, HT, coppery-rose .. 8d  
Dchss of Wellington HT, saffn. .. 8d  
Ecarlate, HT, scarlet-red .. 8d  
Earl of Warwick HT, sal-rose .. 8d  
G. C. Waud, HT, orange-verm .. 8d  
Mme. Ed. Herriot, prawn-red .. 9d  
Mme. J. Grolez, HT, rose .. 6d  
Mrs. A. Ward, HT, yellow .. 8d  
Molly S. Crawford, T, white .. 8d  
Richmond, HT, scarlet .. 8d  
Rayon d'Or, HB, golden .. 8d

### Roses for Cutting

Carriage Paid **6/6** Saving 2s. 1d.

**'M' Coll.** 12 best free roses, long stems.

Recommended by the National Rose Society

Arthur Goodwin, Per., orange .. 8d  
Betty H.T., coppery-rose .. 8d  
Beaute de Lyon, A.B., coral-red .. 8d  
Cynth. la Forde H.T., pink .. 8d  
Edu. Meyer, H.T., red and yell .. 8d  
Gen. McArthur, H.T., crimson .. 8d  
Harry Kirk, T., sulphur-yellow .. 8d  
Irish Elegance, H.T., orange .. 8d  
Mm. Ed. Herriot, prawn red .. 9d  
Mrs. H. Stevens, T, white .. 8d  
Paul Lede, H.T., apricot .. 8d  
Rayon d'Or, H.B., s'nfr-gold .. 6d

### Roses in Pots

Carriage Paid **12/6** Saving 2s. 6d.

**'N' Coll.** 12 roses suitable for pot culture.

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Alex Hill Grey, T., lemon-yellow .. 8d  
Bridesmaid, T., pink .. 8d  
Lady Hillington, T., apricot-yellow .. 8d  
Lady Pirrie, H.T., salmon & apricot .. 8d  
Lady Roberts, T., apricot and rose .. 8d  
Liberty, H.T., velvety-crimson .. 8d  
Mme. Ed. Herriot, prawn red .. 9d  
Mrs. G. Shawyer, H.T., pink .. 8d  
Mrs. H. Stevens, T, white .. 8d  
Richmond, H.T., scarlet .. 8d  
Sunburst, H.T., cadmium-yellow .. 8d  
Willowmere, Per., coral red .. 8d

### Baby Ramblers

Carriage Paid **5/6** Saving 2s. 4d.

**'O' Coll.** 12 dwarf polyantha roses for general use

Recommended by the National Rose Society

Aennchen Muller, dazzling pk. .. 6d  
Canarienvogel, yellow & orange .. 8d  
Ellen Poulsen, deep rose .. 8d  
Erna Teschendorf, bright crim .. 8d  
Eugene Lamesch, orange & pk .. 8d  
Jessie, rose-crimson .. 6d  
Katherine Zeimet, pure white .. 8d  
King Edward VII, rosy-crim .. 8d  
Leonie Lamesch, coppery-red .. 8d  
Mrs. Taft, brilliant crimson .. 8d  
Mrs. W.H. Cutbush, cherry-pk .. 6d  
Orleans, geranium-red .. 6d

### Roses for Walls

Carriage Paid **7/-** Saving 2s. 9d.

**'PQ' Coll.** 12 Climbers for N., S., E. and W.

Recommended by the National Rose Society

**'P' COLLECTION 3/9**

For east or north wall

Aimee Vibert, Cl. N, white .. 9d  
Ards Rover, Cl. HP, crim. mar. .. 9d  
C Testout, Cl. HT, rosy pink .. 9d  
Conrad F Meyer, Rug., sil. rose .. 9d  
Gerbe Rose, Wich., pale pink .. 9d  
Gloire de Dijon, Cl. T, sal. yell. .. 9d

**'Q' COLLECTION 3/9**

For south or west wall

Billardet Barre, Cl. T, gldn. yell. .. 9d  
Mrs. W. J. Grant, Cl. HT, rose pk .. 9d  
Mme. Alfred Carriere, HN, wh. .. 9d  
Mme. Jule-Graver, aux, Cl. T, yell .. 9d  
W. A. Richardson, Cl. N, or. yell. .. 9d  
Zephirine Drouhin, HB, car pk. .. 9d

### All Round Roses

Carriage Paid **5/-** Saving 1s. 11d.

**'K' Coll.** 12 first-class Roses suitable all purposes

Recommended by the National Rose Society

Bees' Famous "Test" Collection.

Capt. Hayward, HP, scarlet .. 6d  
Caroline Testout HT, pink .. 6d  
Fisher Holmes, HP, crimson .. 6d  
F. K. Druschki, P, white .. 6d  
Hugh Dickson, HP, crimson .. 6d  
La France, HT, rose .. 6d  
Lady Ashtown, HT, pink .. 6d  
Lyons Rose, HT, shrimp pink .. 8d  
Mme. A. Chateaux, HT, salmon .. 6d  
Mme. Ed. Herriot, prawn red .. 9d  
Mme. Ravary, HT, orange .. 6d  
Mrs J Laing, HP, rose pink .. 6d

### Hedge Roses

Carriage Paid **7/-** Saving 2s. 2d.

**'G H' Coll.** 12 good Roses to form hedges.

Recommended by the National Rose Society

**'G' COLLECTION 4/3**

For high hedge

Alberic Barbier, Wich., yellow .. 9d  
Blush Rambler, Poly., bluish .. 9d  
Excelsa, Wich., scarlet .. 9d  
Dorothy Perkins, Wich., pink .. 9d  
Felicite-et-Perpetue, Semp., cr .. 9d  
Hiawatha, Poly., crimson .. 9d

**'H' COLLECTION 3/6**

For dwarf hedge

Common Blush, China pink .. 6d  
F. H. Veitch, HT, scarlet .. 8d  
Lady Waterlow, HT, salmon .. 9d  
Grass on Teplitz, HT, crimson .. 6d  
Trier, Poly., creamy white .. 9d  
Zeph. Drouhin, HB, carmine .. 9d

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## FRUIT.

Make the most of your garden by planting fruit trees everywhere. They are decorative as well as useful. The trees offered are fruiting specimens. You don't have to wait. and enjoy a feast next year.

### Apples for Towns.

2 years old **1/-** larger trees bush trees. 3 yrs. 1s. 6d.

6 apple trees, your selection, 7/6 c.p.

Bramley's Seedling lge. fine cooker & Newton Wonder, fin. frt. sure brer. & Warner's King, vry. fin. joy. flvr. & James Grieve, mlv. flvr. good chr. & Ecklinville Sdlg. makes del. pies & Lane's Prince Albert, keeps well & Wellington, prolific brer. fin. flvr. & Lord Suffield, first class chr. early & Cox's Orange Pippin, chco. eating & Worcester Pearmain, lvy. flvr. chr. & Ribston Pippin, crisp, spcy. wine fl. & Beauty of Bath, omen. cheeks, swt. d (The 12 trees 12/- carriage paid & kitchen. d desert.

### Pears for Towns.

2 year old **1/-** larger trees bush trees. 3 yrs. 1s. 6d.

The 6 large pear trees, 7/6 car. pd.

Beurre Bachelier, does well in all soils, fine, molting, juicy flavour. Beurre Diel, vigorous, free cropper, rich buttery flavour, Oct. Dec. Jos. de Malines, very prolific, crisp juicy, molting flesh, Jan.-Mar. Doyenne du Comice, sweet juicy white flesh, delicious flavour. William's Bon Chretien, better known as 'The William Pear,' first class, early. Pitmaston Duchess, large size, rich flavour, fine shape and colour. (6 pears and 6 apples, 12/- car. paid.)

### Cherries, Plums

fruiting bush trees **1/6** wall trained trees 2/6

The 6 fine trees 10/- carriage paid.

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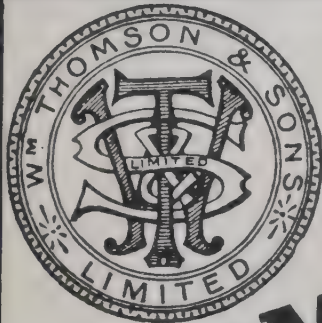
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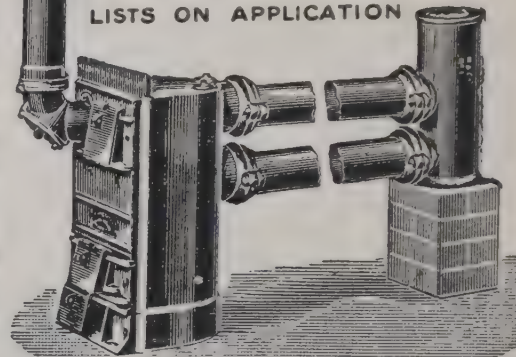
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ORCHARD AND WOODLAND

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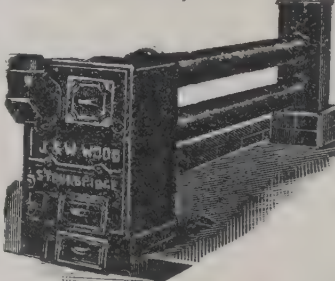
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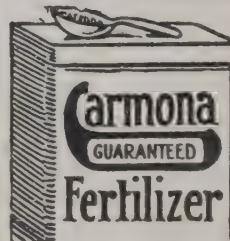
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 Hiawatha, Excelsa, Blush Rambler, etc., are 7ft.  
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 All orders of 7/- upwards, carriage paid, packed

**FRANK MATTHEWS**  
 THE NURSERIES, HARLINGTON, MI



## KITCHEN GARDEN.

**WATERCRESS (W. L.).**—The first thing to do is to form a series of beds by throwing rough timber across at intervals, fixing it in position, and puddling it on the inside. Bring the beds up to near the level, so as to secure the water a few inches deep. The beds may be 20 feet or 40 feet long, just as you wish, and it all depends whether you require to cultivate the Watercress commercially or only to supply your own needs. The best quality is secured from shallow streams of running water; hence you should so arrange matters that the water is constantly—though of necessity only slightly—on the move. If a stony bottom exists, a little stiff loam should be inserted at the start. You may raise plants from seeds or by division, the latter being the better way. It should be quite easy to secure a quantity of sets for planting. The best of that sold for consumption would do well. If you elect to start with seeds, you had better sow now in shallow pans of soil and water, and plant out in March next.

## MISCELLANEOUS.

**NARCISSUS FLY (H. B. Hee's).**—Yes; the grub is that of the Narcissus fly, *Merodon equestris*. The best treatment for this is certainly to lift the bulbs in the summer and refrain from planting them again until late enough to feel whether there is a grub inside or not. You cannot do it this season, so we think your best plan will be to lift any that fail as early as you can find them, and to search for the chrysalis, which may possibly be in the soil near the bulb which was attacked and not actually in the bulb, and in May, June and July keep a sharp look-out for the flies themselves. They fly about in the sun, and make a curious, sharp, humming sound, unlike that made by any other fly or bee, and may be captured by means of a butterfly net. By this means large numbers may be taken and the attacks of the pest very materially reduced.

**VARIOUS QUESTIONS (Studleyite).**—1. The clippings of lawns, weeds, refuse from herbaceous borders and the like, stacked, and especially when mixed with lime, make an excellent substitute for farmyard manure, and may be dug in and used for the same crops as is that manure. 2. We do not think Norway Spruce will take kindly to clipping, either with secateurs or with anything else; it is not a plant suitable for hedge making, but if the trees are allowed to grow will make an excellent screen for many years to come. 3. The Apple with the dark green spot upon it is attacked by Apple scab, and should be treated in the way recommended to several of our correspondents recently for this trouble. The other is not frosted, but is suffering from "glassiness," due to the transference of the sap from inside the cells into the intercellular spaces. The cause is unknown, but is undoubtedly due to some irregularity in the water supply. 4. The cost of the apparatus needful for cyaniding houses is small, and if the houses are suitable—all ventilators should be able to be opened from the outside—should be fairly easy to accomplish.

**WEEDS AND SCUM IN A LILY POOL (Reader).**—Sulphate of copper is used to kill the scum that appears on the surface of the water and to kill the flannel-like weed below the surface of the water, but not for clearing ponds of ordinary plant life. In a case such as you describe, it appears that the pond requires to be thoroughly cleaned out, and the plant life reduced to the required proportions during the process. This work can be commenced at once. Next spring or summer, if scum appears, use sulphate of copper in the proportion of 2½ oz. to 10,000 gallons of water. Dissolve the chemical in a little water and syringe it evenly over the surface of the pond, or tie it in a canvas bag and draw it through the water until dissolved. To find the quantity of water in the pond, square the average diameter of the surface in feet, multiply by the depth and then multiply the product by 4·8947. Animals should not be allowed to drink the water for two days after application.

**A WEED IN THE WATER GARDEN (Dr. C. A. P. O.).**—The weed sent for examination is the Duckweed (*Lemna minor*). It is very difficult to eradicate from still water, but can be destroyed by keeping the water in a constant state of agitation, and by removing as much as possible of the weed, by the use of a net, as it is washed towards the sides of the pond. It is not possible to deal with this weed by the aid of chemicals, as in the case of the lower orders of plant life, for the quantity of poison required to kill the weed would probably kill other plant life also. A constant stream of water running through the pond would probably keep the water clear.

**NAMES OF PLANTS.**—Colonel W. E. G.—The red berries are the fruits of *Cotoneaster frigida*, a very ornamental shrub from the Himalayas. The others are probably those of *Pyrus Aria* (White Beam), but we cannot be certain without seeing foliage.

**NAMES OF FRUIT.**—H. C. M., Jersey.—A, Alfriston; B, Dutch Mignonette; C, Cornish Gilliflower; D, Hambleton aux Ans.—Mrs. W., Her's.—Pear Durondeau.—H. J. D.—Bourré Bâlet Père.—C. K.—1, Potts' Seedling; 2, Gascoyne's Scarlet; 3, John Apple; 4, Tower of Glamis; 5, Wellington; 6, Northern Greening; 7, Bourré Del; 8 and 9, General Todleben; 10, Durondeau.—Ten Years' Reader.—1, Peasgood's Non-such; 2, D'Arcy Spike; 3, Blenheim Orange.—R. W. F.—1, Oycenné cu Comice.—B. R. C.—1, Worcester Pearmain; 2, Tiblett's Pearmain; 3, Wormsley Pippin; 4, Hoary Morning; 5, Mank' Codlin; 6, Striped Beaufin; 7, Wyken Pippin; 8, Pickering's Seedling; 9, Emily Childs; 10, Kedleston Pippin; 11, Puchesse de Bordeaux. The late Figs should be picked off; they will not mature.

## SOCIETIES.

## ROYAL HORTICULTURAL SOCIETY.

The fortnightly meeting held on November 23, though small, was not without interest or variety. Winter-flowering Begonias from Bushey were a great feature, and commanded the attention of all. Hardy Ferns from Enfield were excellent; while Carnations, berried shrubs and the Chrysanthemums from Merstham constituted not a little attraction.

Mr. A. F. Dutton, Iver, Bucks, displayed a group of Carnations, of which Louvain, a cerise-coloured form, was the chief. It gained an award of merit. Chelsea, a scarlet and white fancy, was also noted.

Messrs. H. B. May, Edmonton, showed a table of winter-flowering Begonias, such as Optima, Mrs. Heal, Exquisite, Glory of Cincinnati and the various forms of Gloire de Lorraine being well shown. Cyclamen persicum and the hardy Scolopendriums and Polypodiums were also well shown. A collection of eighty-four varieties of Scolopendrium, shown on a board, was most interesting.

## ORCHID COMMITTEE.

Present: J. G. Fowler, Esq. (chairman), Sir Harry J. Veitch, and Messrs. J. O'Brien, J. Wilson Potter, R. A. Rolfe, Stuart H. Low, F. J. Hanbury, Pantia Ralli, R. Thwaites, W. Cobb, J. Charlesworth, J. Cypher, W. H. Hatcher, C. H. Curtis, H. G. Alexander, A. Dye, S. W. Flory, W. Bolton, Gurney Wilson and R. B. White.

Messrs. James Cypher and Sons, Cheltenham, showed an admirable lot of Cypripediums, the freshness of the plants and their unusual vigour attracting attention at once. From the delightful collection staged we selected C. Sanderæ, C. triumphans (very dark and glossy), C. Thalia Hon. F. Wellesley (a very distinct form with large, copiously spotted dorsal sepal), C. Maudiae (green pouch and white, green-lined dorsal sepal), C. Rossetti (yellow and white), and C. Priam, whose chestnut red labellum and pronounced white dorsal sepal, finely peppered crimson, was a great attraction. The rosy hued C. Jules Hye was also shown.

Mr. R. Windsor Rickards, Usk Priory, Monmouthshire, showed a delightful lot of Cypripediums in excellent, well-flowered examples, among which we noted C. fairrieianum × Baron Schröder, C. Mrs. Mostyn × C. Harefield Hall, C. G. F. Moore × lecanum clinkaberryanum, C. Satyr (Euryades × Beryl), C. Iona (bellatulum × fairrieianum), a strangely beautiful and dwarf form; and C. Actæus var. Bianca, a shapely yellow and white. A few charming Cattleyas were also included.

Messrs. J. and A. McBean, Cooksbridge, showed Cattleya Fabiata, Sophro-Cattleya Pearl, Cattleya hardyana, and the two richly coloured Odontiodas Diana and Charlesworthii.

Messrs. Flory and Black, Slough, Bucks, showed Brasso-Cattleya Herlin (digbyana Schröderæ × labiata), a lovely self pink; and Lælio-Cattleya Bola (C. Trianae × L.-C. callistoglossa var. ignescens), pink sepals and crimson maroon lip, rendered conspicuous by white blotches at the sides. Some novelties in Odontiodas were also shown.

Messrs. Sander and Sons, St. Albans, had the charming Brasso-Cattleya Pallas (of rosy pink hue with yellowish throat), Cattleya Fabia alba (with conspicuously veined rose and yellow lip), C. Prince John variety, C. Snow Queen, C. Fabia (rosy cerise and crimson) and the curious Saccobolium calceolare (whose brownish sepals and white lip, all in miniature on a 6-inch high plant, were most interesting).

Messrs. Charlesworth and Co., Hayward's Heath, had an admirable display of Odontoglossums, Odontiodas and other choice genera. Among the more important were Trichopilia Gouldii (white, pink spotted), of which many fine plants were shown; Odontioda Joan (very rich and dark), Odontoglossum lambeauianum and Odontioda Hippolyta (of rosy hue). Epidendrum vitellinum was very beautiful in a group.

## FLORAL COMMITTEE.

Present: H. B. May, Esq. (chairman), and Messrs. C. T. Druery, E. A. Bowles, R. C. Notcutt, J. Hudson, J. Green, W. J. Bean, G. Reuthe, J. W. Moorman, C. R. Fielder, J. F. McLeod, W. Howe, T. Stevenson, W. Bain, C. Dixon, A. Turner, C. E. Pearson, W. Cuthbertson, J. T. Bennett-Poë, W. P. Thomson, E. H. Jenkins, E. Mawley, G. Paul and the Rev. F. Page-Roberts.

Mr. Amos Perry, Hardy Plant Farm, Enfield, had an excellent group of hardy evergreen Ferns, chiefly Polystichums, which at this season are among the most valuable. Of these, P. divisilobum laxum, with reddish rachis and a fine spread of fronds, was most attractive. P. angulare divisilobum grande, P. a. grandidens, P. a. divisilobum plumosum densum (a glorious plant), P. d. productum, P. d. foliosum, P. angulare tripinnatum and P. divisilobum stipulatum were among the best. Some sixty distinct forms were shown. Not a few of these were of the proliferous order, reproducing themselves from axillary bulbils on the mature fronds.

Messrs. W. Wells, Limited, Merstham, showed a glorious table of exhibition Chrysanthemums, both single and double. Arranged in bold vases and stands, they were most attractive. Of the larger sorts, Edith Cavell (bronze), Mrs. G. Drabble (white, very large), Louisa Pockett (white, flesh tinted, of enormous size—award of merit), Queen Mary (pure white), W. Rigby (yellow) and Salonika (reddish) were the best. Juno (red single), Mary Morris (bronze), Brightness (crimson), Crimson Velvet, Meusa (pure white), Monica Mitchen (crimson—award of merit) and Aristocrat (golden) were among the best of the singles and semi-doubles in a most imposing exhibit.

Mr. G. Reuthe, Keston, showed a collection of Nerines in many shades of colour, together with a collection of

hardy alpine and rock plants, of which Galax aphylla was most attractive.

The Misses Tate and Tanner, Caldecote Towers, Bushey Heath (gardener, Mr. F. Streeter), arranged an imposing group of Begonia Gloire de Lorraine that has rarely, if ever, been excelled. With a centre of the white variety, Turnford Hall, the sides at right and left were flanked by glorious masses of B. Mrs. Leopold de Rothschild and Mrs. Bedford, with baskets and arches above, which rendered the arrangement unique. A gold medal was deservedly awarded.

Messrs. Piper, Bayswater and Barnes, contributed a collection of shrubs and berried plants, Pernettyas, Berberis, Cotoneaster, Eurya latifolia, Magnolias, Ixias, and much else of interest.

Messrs. J. Cheal and Sons, Crawley, displayed examples of cut shrubs, Pernettyas, Sea Buckthorn, Cotoneaster frigida, Symphoricarpos, Crataegus Crista-galli, with dwarf rock and other shrubs.

Messrs. R. F. Felton and Sons, Hanover Square, showed a fine lot of Solanum aculeatissimum and Eucalyptus globulus, the scarlet fruits being most attractive.

Messrs. W. Cutbush and Sons, Highgate, N., had a nice table of Pernettyas, Dracena Braunti variegata, together with the autumn-flowering Heaths and other plants.

Mr. L. R. Russell, Richmond, had excellent examples of Crataegus Pyracantha and C. P. Lelandii in well-fruited specimens, together with Hedera Helix spectabilis aurea, Aucubas and other plants.

Messrs. H. Cannell and Sons, Eynsford, Kent, displayed a glorious lot of Zonal Pelargoniums, than which no plants are more decorative at this time. Firefly, Golden Lion, Louis Chauvin, Lady Roscoe (pink), Princess of Wales, A. J. Bell (shrimp pink), Miss Cannell (pink) and Sir T. Hanbury were very beautiful. Chrysanthemums Bronze Beauty, Moncreiffe White, Sandown Beauty (crimson), Miss Higgs (rose) and Gladys Durrant (yellow) were all excellent.

Messrs. Allwood Brothers, Hayward's Heath, showed a capital lot of Carnations. Niobe (pink), Gorgous, Triumph, Champion and Wivelsfield White were among the more important.

## EDINBURGH CHRYSANTHEMUM SHOW.

THE annual show of Chrysanthemums under the auspices of the Scottish Horticultural Association was held in the Waverley Market, Edinburgh, on November 19 and 20. It was opened on the first day by Lady Jellicoe, who made an eloquent appeal on behalf of the Horticultural Relief Fund, for which the sale of plants, &c., was organised. As at last year's show, a special effort had been made to organise this sale in connection with the show, and it met with a highly gratifying response.

Trade exhibits were very limited. An excellent display of Chrysanthemums, including many new varieties, was sent by Messrs. W. Wells, Limited, Merstham, and a gold medal was worthily awarded. This firm also received a silver medal for new Chrysanthemums not in commerce.

Messrs. Storrie and Storrie, Glencarse, made one of their notable displays of fruit trees in pots, together with Apples, &c., and capital Cyclamens and other plants. A gold medal was awarded.

Mr. David W. Thomson, Edinburgh, was awarded a gold medal for an exceedingly fine and well-selected collection of fifty varieties of Apples.

A gold medal also went to the Edinburgh and East of Scotland College of Agriculture for a highly appreciated exhibit of preserved fruits and vegetables, together with a number of varieties of Potatoes not liable to the wart disease.

An interesting exhibit came from Mr. R. G. Sinclair, this being a collection of Apples and Pears grown for commercial and not for exhibition purposes. A silver-gilt medal was awarded.

Messrs. John Forbes (Hawick), Limited, were honoured with a silver medal for an attractive exhibit of Begonias and other plants.

Messrs. R. B. Laird, Dickson and Son exhibited a new and promising Beet.

In the competitive classes, the leading class for cut blooms (for the City of Edinburgh Queen Victoria Memorial Prize) was the subject of much interest. Here last year's winner, Mr. James Beats, Binrock, Dundee, repeated his success with a capital display of good blooms tastefully arranged. The second prize fell to Mr. D. Kidd, Carberry Tower, who also had a striking display. Mr. G. Scott, Southwood, Dundee, was third.

The contest for the Scottish Challenge Cup, for ten vases, was a close one, only half a point giving the first prize to Mr. G. Little, Ladykirk, Norham-on-Tweed, over Mr. James Small, Norwood, Alloa, last year's winner. In both exhibits the flowers were finer than those of 1914. Mr. L. McLean was third.

Mr. J. Small had the best twelve Japanese blooms. Mr. R. Mackenzie, Dochfour, being a good second. Mr. McLean was third.

Mr. W. Aitchison led for six vases of singles. Chrysanthemum plants were well shown, Mr. G. Cowan winning for six and Mr. J. Chisholm for four Japanese.

Other plants were creditably shown, though not in great numbers. Mr. A. McMillan, Douglas Castle; Mr. D. McLean, Raith; Mr. A. A. Law, Elie House; Mr. D. Kidd, Carberry Tower; and Mr. A. Robb, Dysart House, being among the first prize winners. The first named was specially successful.

Fruit was again of high quality, though some usual exhibitors were absent. The first prize for four bunches of Grapes went to Mr. W. Scott, Eden Hall, Langwathby, for a grand lot. Mr. D. Kidd was second, and Mr. D. Halliday third. In other Grape classes Mr. W. G. Pirie, Dalhousie Castle; Mr. D. Halliday, Mr. D. Kidd, Mr. G. Anderson and Mr. W. Scott were the first prize winners.



Mr. J. Chisholm had the best twelve dishes of Apples grown in Scotland; and Mr. Staward the best eighteen dishes. Mr. C. Webster was first for Scottish-grown Pears, and Mr. G. McGlashan, Abbeyling, Queen's County, led in the open class for Pears.

Vegetables were very good and the collections excellent. The first prize for the collection of nine distinct kinds was fitly awarded to Mr. W. Harper, Tulliebelton; second, Mr. H. Cumming, Blairhill; third, Mr. D. A. Hill, Kelson.

The smaller classes were well contested, and those confined to market gardeners showed the high quality attained by the Edinburgh district market growers.

#### HIGHCLIFFE GARDENERS' ASSOCIATION.

ON November 10 the annual autumn exhibition of fruits, flowers and vegetables was held by the members in the Parish Hall. In every way it was successful, and was the means of raising a substantial sum of money in aid of the Christchurch Red Cross Society.

Mr. W. Goddard, gardener to General Stuart-Wortley, Highcliffe Castle, won the president's silver medal, offered for the highest number of points gained by any member during the year 1915. Major Tinker, Chewton Glen, Christchurch, sent six large Pears, the weight of which was to be guessed by visitors, each to pay sixpence. Two pounds were thus raised in aid of the Red Cross Fund. The nearest guess was 7½lb., the actual weight being 7lb. 13½oz.

#### COMPETITIVE EXHIBITS.

For a group of Chrysanthemums with an edging of Ferns, arranged in a space 9 feet by 6 feet, Mr. W. Weaver, gardener to Major Tinker, Chewton Glen, was the winner. He had a charming group. Mr. W. Goddard was a good second with a beautiful group.

Mr. P. Kitcher, gardener to Major Wyndham Pain, Bransgore House, Christchurch, had the best stand of cut Japanese Chrysanthemum blooms; many of them were equal in quality to the splendid blooms he staged at Bournemouth the previous week. Queen Mary, W. Turner, Pickett's Crimson, Reginald Vallis, F. S. Vallis (premier bloom), Elsie Davis and Mrs. J. Gibson were the best blooms. Mr. W. Weaver was second with a fine stand of blooms, and Mr. E. Griffin, gardener to the president, third.

#### WATFORD HORTICULTURAL SOCIETY.

THE national question of food production makes the cultivation of fruit and vegetables a most important subject at the present time, and it was therefore very gratifying to see such a high standard of excellence at the show held recently. The exhibition of fruit, flowers and vegetables, the last named predominating, contained upwards of 200 entries. The honorary exhibits of the Misses Tate and Tanner (gardener, Mr. Streeter) and Mr. S. Bird (gardener, Mr. J. Blinco) were greatly admired. In the competitive exhibits Mr. C. H. Waterlow (gardener, Mr. Phillips) and Mr. S. Bird (gardener, Mr. Blinco) shared premier honours. The challenge cups this year were won by Mr. Pike (Gleeson Cup) and Mr. Scott (Comyns Cup). By the sale of exhibits £4 14s. was able to be sent to the Watford District Hospital.

The usual monthly meeting was held on Tuesday, November 9, at St. Andrew's Schools, when Mr. W. B. Kettle read a thoroughly practical and interesting paper on "Bulbs and Flowering Shrubs for Forcing." A very good discussion followed, and many valuable hints were obtained.

#### ROAD SCRAPINGS FROM TARRED THOROUGHFARES.

MR. E. T. ELLIS sends us the following: "Extensive experiments have been made in using road scrapings for lightening the soil. Experience has shown that it is best to let the scrapings mellow down in a heap for two months before digging them in, and then to dig them in deeply. It is essential that no fresh scrapings get on the surface of recently dug plots (hence they are useless for mulching), as the fresh material readily cakes, and water runs off it. After mellowing, however, it loses this property to a great extent. The most noteworthy result of these experiments is that not a single case of harmful results accruing from the use of these scrapings has been found. On the contrary, the disinfecting tar has kept down vermin, and only good results have been obtained. Moreover, by a simple experiment it was proved that tar which had been out in the open for a month or two was not harmful to plants, hence it was not surprising to find that scrapings from tarred roads were not in the least harmful, but very good and useful in the garden."

#### AWARDS TO AUTUMN CABBAGES AND PARSNIPS.

A SUB-COMMITTEE of the Royal Horticultural Society's fruit and vegetable committee met at Wisley on August 19 and September 30 and made the following recommendations for awards to autumn Cabbages, which were approved by the President and Council at their meeting on October 26. The names in parentheses indicate the senders:

**Red Varieties.**—Erfurt Early Red (Barr), award of merit 1895 confirmed; Barr's Miniature Red (Barr), highly commended; Sutton's Dwarf Blood Red (Sutton), commended; Carter's Red Pickling (Carter), commended.

**Green Varieties.**—Harbinger (Nutting), award of merit 1911 confirmed; Best of All (Barr), highly commended; Enkhuizen Glory (Dobbie), highly commended; Gibson's Dwarf Drumhead (Barr), highly commended; Hurst's Earliest (Hurst), highly commended; Sutton's Earliest (Sutton), highly commended; Sutton's Little Gem (Sutton), highly commended; Sutton's Tender and True (Sutton), highly commended; Cooper's First (Cooper, Taber and Co.), commended; Copenhagen Market (Watkins and Simpson), commended; Barr's Autumn Exhibition (Barr), commended; Express (Nutting), commended; Wheeler's Imperial (Watkins and Simpson), commended; Veitch's Earliest of All (R. Veitch), commended.

The following awards to Parsnips were also made:

**Long Varieties.**—Webb's Student (Webb), highly commended; Hollow Crown Improved (Barr), commended; Student (Dawkins), commended; Model White (Dickson), commended.

**Intermediate Varieties.**—Tender and True (Barr), highly commended; Intermediate (Watkins and Simpson, Dawkins, Barr), highly commended; Lisbonnais (Barr), commended.

**A Sale of Shrubs.**—Messrs. John Waterer, Sons and Crisp, Limited, have just held their second sale, which was conducted at the Nurseries, Bagshot, Surrey, by Messrs. Protheroe and Morris. Like the first, it was very successful, and the prices realised for various lots were very good indeed. Although upwards of 1,500 lots were offered at the last sale on November 16, 17 and 18, it was difficult to realise that very little of the stock had been touched. Without doubt the firm have a splendid collection yet of Rhododendrons and shrubs of all descriptions for disposal.

**Urr and Dalbeattie Horticultural Society.**—This society held a show and gift sale a short time ago on behalf of various war funds. The sum of £79 was realised, and has been distributed as follows: Red Cross Society, £25; Dalbeattie Branch of the Red Cross Society, £10; Urr Parish Work Party, £15; Dalbeattie Fund for Soldiers' and Sailors' Families, £10; Kirkgunzeon War Work Party, £3; Dalbeattie War Work Party, £10; Colvend and Buittle War Work Parties, £3 each.

**Wart Disease of Potatoes.**—The following is a list of the Potatoes recommended by the Board of Agriculture and Fisheries for planting on infected premises and infected areas in England and Wales for 1916: A 1 (Sutton), Conquest (Findlay), Snowball (Carter), Abundance (Sutton),

King Albert (Sands), Leinster Wonder (Sands), The Duchess (Dobbie), Rob Roy (McAlister), Southampton Wonder (Toogood), Jennie Deans (Findlay), Kerr's Pink, Schoolmaster, Crofter (Dobbie), Culdees Castle (G. R. Sharp), Provost (Dobbie), The Admiral (Dobbie), Irish Queen (Sands), Shamrock (Sands), St. Malo Kidney, King George V. (Butler), Laird (Davis), Flourball (Sutton), Golden Wonder (Brown), Langworthy (Niven), What's Wanted (Niven), Burnhouse Beauty (Dobbie), The Lochar (Farish), Great Scot (McAlister), and White City (Sutton).

**Narcissus Cultivation.**—Until twelve or fourteen years ago the Dutch had almost a monopoly of the bulb trade of this country, but bulb cultivation has recently been successfully undertaken in various parts of the British Isles. Bulb culture is one of the chief industries in the Channel Islands, and during the spring months tons of bloom are thence daily despatched to London and other large centres, to be followed in the summer by the further despatch of tons of bulbs. In the South Lincolnshire and Cambridgeshire Fens many acres of bulbs are now planted, several of the larger growers having from twenty to fifty acres under cultivation. An ideal bulb soil is found here, which, with good culture, produces bulbs in many cases even better than those grown in Holland, and, in addition to supplying a home demand, a considerable export trade is now being conducted from this centre. It is probable, however, that there are many other parts of England where the soil and climate would also be found suitable, and as Narcissus cultivation is an industry which can be begun on a small scale, it is one which appears to be well worth the attention of small holders and others.

#### PUBLICATIONS RECEIVED.

"Revue Horticole," with coloured plate of *Thalictrum dipterocarpum*. Published at 26, Rue Jacob, Paris.  
 "Les Amis des Roses." Published at 67, Cours de la Liberté, Lyon, France.  
 "The British Fern Gazette," edited by Charles T. Druery, V.M.H., F.L.S. Published by The British Pteridological Society, Kendal, Westmorland.  
 "Journal of the North of England Horticultural Society" for October. Published at 26, Bond Street, Leeds.  
 Bulletin 393 of the New York Agricultural Experiment Station, Geneva, N.Y.: "Directors' Report for 1914."  
 Bulletin 394: "Seed Tests Made at the Station During 1914." Bulletin 396: "Effects of Various Dressings on Pruning Wounds of Fruit Trees." Bulletin 397: "Lime-Sulphur VS. Bordeaux Mixture as a Spray for Potatoes." Bulletin 399: "The Spindling-Sprout Disease of Potatoes." Bulletin 400: "Ground Limestone for Acid Soils." Bulletin 401: "Strawberry Varieties." Bulletin 402: "The Status of Spraying Practices for the Control of Plant Lice in Apple Orchards." Bulletin 403: "New or Noteworthy Fruits, III." Published by the Agricultural Experiment Station, New York, and by William Wesley and Son, 26, Essex Street, Strand, London, W.C.

#### CATALOGUES RECEIVED.

T. H. Dipnall, The Shelley Sweet Pea Farm, near Hadleigh, Suffolk: Sweet Peas and Snapdragons.  
 W. and T. Samson, Kilmarnock: Trees—Forest, Ornamental, Fruit, and Roses.  
 H. J. Jones' Nurseries, Limited, Ryecroft, Hither Green, Lewisham: Chrysanthemums, Michaelmas Daisies, Zonal Pelargoniums, &c.  
 W. J. Unwin, Sweet Pea specialist, Histon, Cambs: Seeds.  
 R. Harkness and Co., The Rose Gardens, Hitchin, Herts: Roses.  
 Bees, Limited, Mill Street, Liverpool: Hardy Plants.  
 George Cooling and Sons, Batheaston Nurseries, Bath: Roses and Fruit Trees.  
 William Watson and Sons, Limited, Clontarf Nurseries, Dublin: Fruit Trees, Roses and Shrubs, &c.

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ORCHARD AND WOODLAND

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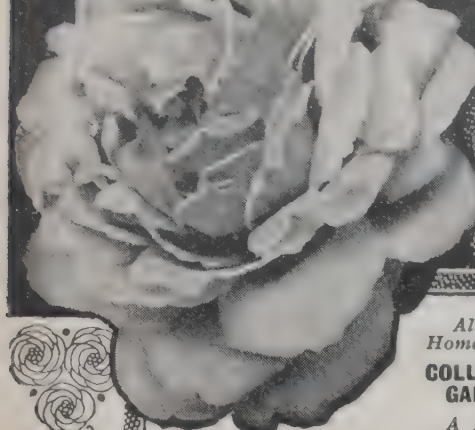
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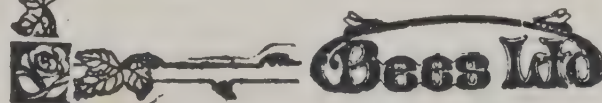
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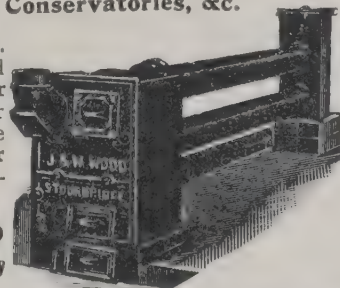
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ORCHARD AND WOODLAND

VOL. LXXIX.—No. 2300.

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## OBITUARY.

## JOHN RISHTON JACKSON.

By the lamentable death of Mr. J. Rishton Jackson, which occurred at his residence at Ilford on the 4th inst., the horticultural trade loses a very active and highly respected member. Mr. Jackson was a representative of *Amateur Gardening* from its commencement, a position which he gave up about six years ago on his appointment as advertisement manager and confidential representative of Messrs. Clay and Son, Stratford, E. In recent years this firm's advertisements, well known to all our readers, have been remarkable for their originality, due almost wholly, if not entirely, to his initiative. In private life Mr. Jackson took the keenest interest in the Wesleyan cause, an interest which may have been inherited, for he was fond of recalling the fact that his father was for many years a missionary in connection with the London City Mission. Mr. Jackson, who passed away after a prolonged illness, was fifty-five years of age. He leaves a widow, three daughters and two sons, both of whom are serving with the Colours. To his relatives we extend our deepest sympathy in their sad bereavement. The funeral took place on Thursday, December 9, and, despite the most unfavourable weather, there was a very large attendance to pay a last token of respect to his memory.

## JOHN JARDINE.

Much regret was felt among local horticulturists and others when the announcement was made of the death, on December 8, of Mr. John Jardine, who has for a number of years been gardener to Captain and Mrs. Murray, Murraythwaite, one of the prettiest of Dumfriesshire gardens. Mr. Jardine was sixty-one years of age, and was highly respected by all who knew him. He showed his skill as a gardener by the excellent condition in which he maintained the gardens at Murraythwaite, and every confidence was justly placed in him by everyone. He was of a quiet and unobtrusive disposition, and his loss will be much felt by a number of his friends.

**The New Loch Lomond Park.**—The estate of Balloch, Loch Lomond, which was purchased recently on behalf of the Corporation of Glasgow, passed into the hands of that body towards the end of November, and is now in charge of the Parks Department, under Mr. James Whitton, V.M.H. This new park, which lies in a magnificent situation on the shores of the famous Loch Lomond, will prove a great boon to visitors to this favourite Scottish lake, who will thus have free access to a considerable portion of its shores—a privilege which has been denied them to a great extent, and a claim for which has led to considerable litigation. Through the public spirit of the

Glasgow Corporation, not only the citizens of that city but hosts of other visitors will benefit greatly. It is not, we believe, intended to develop the park on the lines of the city parks, but to retain and improve its present beautiful features without interfering with the natural charms of the estate and its surroundings.

**Drummond Castle and Its Gardens.**—The usual monthly meeting of the Scottish Horticultural Association was held in the Hall, 5, St. Andrew Square, Edinburgh, on the evening of December 7. The chair was occupied by Mr. W. G. Pirie, Dalhousie Castle Gardens, president of the association, when a most interesting lecture on "Drummond Castle and Its Gardens" was given by Mr. Cook, gardener to the Earl of Ancaster at these famous gardens. The lecture was illustrated by a series of lantern slides, showing respective periods and their styles, and the developments which had taken place in these gardens from the time of their formation in 1630. Several exhibits increased the value of the evening. Mr. W. G. Pirie exhibited a group of Chrysanthemums, for which a cultural certificate was awarded, together with a new seedling, which received an award of merit, and fruit of Apple Ecklinville Seedling. An exhibit also came from the Edinburgh Parks Department, under Mr. J. W. M'Hattie, and much notice was taken of a yellow sport from Chrysanthemum Purity, also exhibited by Mr. M'Hattie. Mr. D. Kidd, Carbery Tower Gardens, sent *Luculia gratissima*.

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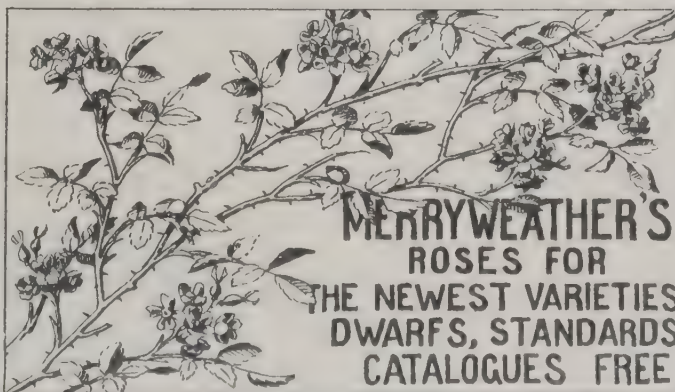
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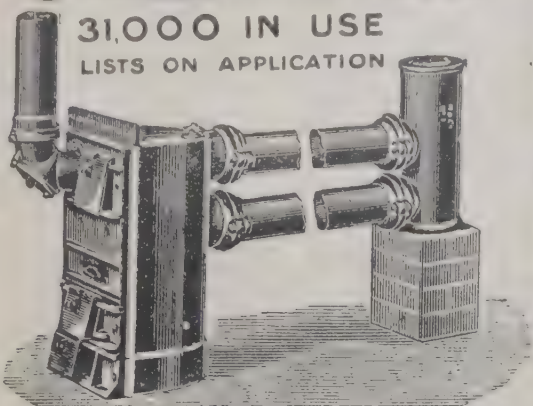
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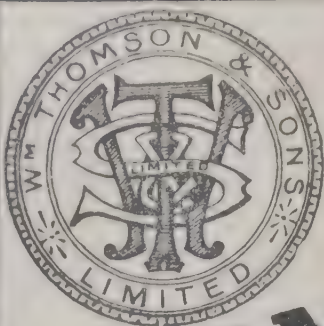
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ORCHARD AND WOODLAND

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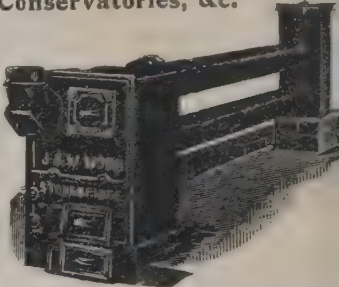
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**PASSIFLORA EDULIS NOT FLOWERING (A. B.).**—It is probable that your plant of *Passiflora edulis* is in too much shade to allow it to blossom. Try training a shoot or two along the end of the house where more light can be obtained. This is the only reason we can suggest for the absence of flowers.

### MISCELLANEOUS.

**VARIOUS QUESTIONS (Tielie).**—(a and b) Yes; the twigs sent for inspection are affected by canker. This is the only disease present. (c) *Pyrus triloba* is the correct name. It is a native of Syria and has no common English name. (d) Yes; it is advantageous to take off side leaves of Brussels Sprouts now. (e) The Plum is attacked by the silver-leaf disease. The wood is also unripened. (f) Pear Easter Beurré is in season during February and March. Many varieties are poor this season.

**POOR RETURN FROM AN ASPARAGUS-BED (Hilda).**—Whatever you may do to the bed this winter cannot result in a much better yield next year. The grass must have a summer's growth in order to recoup its strength. The best way to bring the bed round will be to at once cut the dead grass off and clear away all weeds, and then give the bed a dressing of well-decayed farmyard manure to the depth of 4 inches. In the middle of March rake off the loose part of the manure, forking over the surface of the bed at the same time to the depth of 3 inches only. A week or two later give the bed a good scattering of lime, say, a good handful to the square yard, and a small handful of well-crushed nitrate of soda over the same area. Apply it on a dry day and rake it into the soil with a wooden rake. If there are any blank spaces in the bed, put fresh plants in before the lime, &c., is applied. Do not cut any Asparagus next year. Let every spike grow and mature, cutting it down only when ripe in the autumn. You will then find your roots much stronger the following year and for years afterwards. The best way of cutting Asparagus is to cut every head that grows as soon as it is large enough to cut until June 20, and then not to cut a single head that year afterwards.

**GARDEN PESTS (A. P. H.).**—1. An egg-bracelet of the lachry moth, so called from the many-coloured livery of the caterpillar. The moth itself appears in autumn and the caterpillars feed at first in colonies. Remove all such bracelets in pruning. Pear, Apple, Rose and various other trees are subject to the attack of these caterpillars. If any of the caterpillars hatch out in spring, spray with lead arsenate. 2. Eggs of the vapourer moth, a brown moth with a somewhat hairy caterpillar. Treat as in the former case. 3. Mussel scale on Apple, a very destructive pest. Only eggs are present now under the scales, but spraying with a caustic wash, 2lb. offcaustic soda to 10 gallons of water, will remove a considerable number, and this should be followed up at the end of May or the beginning of June with a nicotine wash or paraffin emulsion-spray. 4. These are eggs of the Apple Psylla (*P. mali*), a pest which hatches out into a flat, yellowish insect, which sucks the sap of the developing leaves and buds just as they begin to burst. The caustic wash will not kill these eggs, but spraying with MacDougall's Wash will kill the young insects if it is applied as soon as they hatch out in spring. 5. The Currant scale (*Lecanium ribis*) may be similarly treated as No. 3. Do not use the fowl-manure about the trees in too great quantity. Fruit trees rarely require heavy manuring, as the manure is apt to encourage growth at the expense of the fruit-bearing of the tree. It may be mixed with earth and applied directly or stored under cover.

**NAMES OF FRUIT.**—Fish.—1, Malster; 2, Bramley's Seedling; 3, Scarlet Nonpareil; Pear, decayed.—Pruner.—1 and 2, decayed; 3, Maréchal de la Cour; 4, Bellissime d'Hiver; 5, Swan's Egg; 6, Old Bergamotte.—G. C. W., Yorks.—The Pears arrived too decayed to identify.

**NAME OF PLANT.**—G. C. W., Yorks.—Chrysanthemum Cullingfordii.

## SOCIETIES.

### READING GARDENERS' ASSOCIATION.

THE usual fortnightly meeting of the Reading and District Gardeners' Mutual Improvement Association was held on Monday, the 13th inst., in the Abbey Hall (kindly lent by Messrs. Sutton and Sons), and notwithstanding the inclement weather, the attendance was exceedingly good. Mr. E. Blackwell, the vice-chairman, presided. The subject for discussion was "Greenhouse Flowering Plants from Seed," and was introduced by Mr. F. Townhouse, The Gardens, Hillside, Reading, who treated very fully of Calceolarias, Gloxinias, Streptocarpi and Begonias. The lecture was made exceedingly interesting by a series of auto-chromes or natural colour photographic slides, shown by the aid of a powerful lantern manipulated by the hon. secretary. Although the exhibits were not quite so numerous as at the last two meetings, the quality was very high. In the "Points" Competition, Mr. C. Cripps, The Gardens, Sidmouth Grange, received 11½ points for some very fine blooms of winter-flowering Carnations, the vase of Mary Allwood being exceptionally good; while Mr. Townsend was awarded the society's certificate for some splendidly coloured fruits of Apple Cox's Orange Pippin. In addition, Mr. D. Turner, Coley Park Gardens, staged some fine specimens of Leek Sutton's Prizetaker.

### EAST ANGLIAN HORTICULTURAL CLUB.

THE annual meeting of this club was held on December 8 at the Boar's Head Hotel, Norwich, Mr. John Clayton being in the chair. The secretary, Mr. W. L. Wallis, presented a most able report of the work of the club during the most trying year; in spite of this they had been able to carry out its various phases of usefulness. The membership, in spite of the very large number of members who had joined the Forces, still stood at just over 300. In the matter of finance, the club had the distinction of being able to add a small balance to its reserve. The receipts amounted to £96 15s. 9d., and the disbursements £91 19s. 5d. an achievement he thought very few similar clubs could show. At the subsequent election of officers, Mr. T. Notley, gardener to E. Gurney Buxton, Esq., Catton Hall, was elected president, and Mr. H. Perry, "Floracot," Constitution Hill, Norwich, vice-president. The other officers were practically all re-elected as before standing. A very instructive list of essays and lectures, and a schedule of special and other prizes, as formulated by the committee, were adopted. The exhibition for the evening was a bright and interesting feature, and brought out, among other items, a fine *Cypripedium* from Mr. W. Shoesmith, gardener to F. W. Harmer, Esq., and some extra good coloured Apples from Mr. George Moore, Hethersett Hall Gardens. Mr. John Clayton and Mr. W. L. Wallis, the members of this club who are acting for the Vegetable Products Committee, reported that they recently sent over a ton of fruit, &c., to the Fleet in response to a special appeal.

### PERPETUAL-FLOWERING CARNATION SOCIETY.

#### ANNUAL GENERAL MEETING.

AFTER the close of the recent show held at the Royal Horticultural Hall, some twenty or more members assembled under the chairmanship of Mr. J. S. Brunton. The report and financial statement were taken as read. Both the chairman and the hon. treasurer, Mr. L. J. Cook, referred to the excellent condition the society was in, despite the great falling off in income.

Actually, said the treasurer, they were in a better financial position than ever before, for while the statement showed but £4 18s. 6d. as balance, the overdue subscriptions had come in so well since the report was drawn up that they really had assets of over £30 against liabilities of £16 10s. on the year's work. It should be noted, too, that the liabilities of 1914, including cost of Year Book, totalling some £27, had been paid off. Altogether the secretary calculated that at that moment they had something like £65, independent of the sum made at the flower stall. The report was accepted with applause.

The retiring officers having been thanked, the election of officers for the ensuing year was proceeded with. From president to hon. auditors, all were re-elected in rapid succession, and no note of discord was evident during the proceedings. Mr. Weston, the hon. secretary, in returning thanks, ventured to remind those present that nothing was certain in the present state of affairs, and they might suddenly find themselves without a secretary.

Several new members of committee were elected in place of retiring members, after which the chairman moved that heartiest thanks be accorded Mr. W. H. Page for his assiduous work in connection with the War Relief Stall. Indisposition prevented Mr. Page from coming to see the results of his labours, and in extending their thanks the chairman asked that a letter of sympathy be sent to Mr. Page. The motion was carried with applause.

Warmest thanks were also accorded the Misses Page, Sherwood and Mason, six in all, and their several helpers for their enthusiastic attention to the stall. A motion was also passed authorising Mr. Page to thank the many donors of flowers, plants and fruit, by means of which £33 7s. was realised for the Royal Horticultural Society's War Relief Fund. An additional sum was anticipated from the surplus goods which had been taken away for sale elsewhere. The chairman's various motions were passed with warmest cordiality, after which the chairman presented a gift of money to Mr. V. Bouckennooghe as a token of esteem from various members.

Mr. Bouckennooghe, in expressing his surprise and thanks, said there was apparently no limit to the good nature of the English people. He had loved England from the day he first went to Kew, twenty-six years ago, but his regard had intensified during the past year or so, since he had been forced to flee from his home at Ypres. The loss of his great nurseries had caused him much grief, but he looked forward to next spring, when he hoped that he might then go back and take possession of the fragments. In feeling terms he spoke of the happy English people and the love of flowers among even the tiniest children. He and his fellow countrymen would never forget the day when the mighty British Empire took up the gauntlet on behalf of the country that gave him birth. They knew that England and her Allies would conquer, and he believed the day was not very far away.

**Horticultural Benefit Society.**—The monthly meeting of the United Horticultural Benefit and Provident Society was held at the Royal Horticultural Hall on Monday, December 13, Mr. Arthur Bedford in the chair. Two new members were elected. Three members were allowed to withdraw double amount of interest, amounting to £8 7s., and two members over the age of seventy years withdrew from their deposit sums amounting to £24 os. 10d. The sums of £52 4s. 6d. and £44 4s. 3d., respectively, were passed for payment to the nominees of two deceased members. The sick pay for the month on the ordinary side amounted to £53 10s. 4d., on the State side to £47 14s. 4d., and maternity claims to £21. The committee received with regret the resignation of Mr. C. W. Butcher from the committee, owing to his having joined His Majesty's Forces.

**National Chrysanthemum Society.**—On Monday, the 13th inst., the executive committee of this society held a meeting at Carr's Restaurant, Strand. Owing to an accident, Mr. Thomas Bevan was prevented from presiding, and his place was ably filled by Mr. E. F. Hawes. A letter of sympathy was addressed to Mr. Bevan, who had been knocked down and run over by a motor lorry, and the committee also sent a similar message to their old friend Mr. Caselton, who has been ill for some time past and was unable to attend. The floral committee will hold its annual supper on the 19th prox. Members are invited to bring friends. Next year's arrangements include a show at the Royal Horticultural Hall, Westminster, which will be held on November 9 and 10. The annual meeting will take place at Carr's Restaurant on February 7 next, and it was ordered that the accounts and report for 1915 be printed and circulated beforehand. The meetings of the executive will be held as follows: September 25, October 23, November 20, and December 18, 1916, and January 15, 1917. The dates of the floral committee meetings were provisionally fixed, but are subject as to time and place to final arrangements by the sub-committee. It will be remembered that of the series of educational lectures organised for the autumn of 1915, only one, the first, by Mr. Harman Payne, was able to be held. Those postponed will now be delivered in the spring. Mr. Percy Cragg will give his on March 20, and that of Dr. Keeble on April 17 will complete the series. The election of new members brought the meeting to a close.

The War Office notifies that from now onward all papers posted to any neutral European country will be stopped, except those sent by publishers and newsagents who have obtained special permission from the War Office. Such permission has been granted to THE GARDEN, and subscribers who send to friends in Denmark, Holland, Norway, Sweden, Switzerland, Spain, Portugal, Greece, and Roumania should order copies to be despatched by the Publisher from 20, Tavistock Street, Covent Garden, W.C.

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